

UNITED STATES DISTRICT COURT

SOUTHERN DISTRICT OF TEXAS

HOUSTON DIVISION

§  
UNITED STATES OF AMERICA §  
§  
v. § CRIM. NO. H-04-512-SS  
§  
**JAMES PATRICK PHILLIPS,** §  
**WESLEY C. WALTON** and §  
**JAMES BROOKS,** §  
§

Defendants

GOVERNMENT'S OBJECTION  
AND RESPONSE TO DEFENSE OBJECTIONS

TO THE HONORABLE JUDGE OF SAID COURT:

**Government Objection**

All three defendants should be held equally responsible for the largest amount of the losses calculated by expert Matthew O'Loughlin (\$11,748,341) because the loss was caused by actions of co-conspirators and reasonably foreseeable to all three defendants. See U.S. v. Barreiro Medina, WL 3634431 (5<sup>th</sup> Cir. 2009) (“the district court did not err in determining that Barreiro Medina should be held responsible for the full loss amount rather than the actual charges he made because he was involved in a conspiracy” – citing U.S.S.G. § 2B1.1, n. 3(A)(I) and (ii) (“Actual loss” is “the reasonably foreseeable pecuniary harm that resulted from the offense”) and U.S.S.G. § 1B1.3(a)(1)(B) (defendant involved in “jointly undertaken criminal activity” should

be held accountable for “all reasonably foreseeable acts and omissions of others in furtherance of the jointly undertaken criminal activity”)).

The existence of the conspiracy is undeniable. Defendant Brooks described it in an email dated October 23, 2000 [Exhibit 372]. In that email, Brooks noted that El Paso had reported “biased” information to *Inside FERC* in the past. Brooks asked defendants Walton and Phillips (and others) for their opinion whether the scheme should continue:

There has been several discussions on how IF price should be reported in the month of November. Most of you are aware that we reported only verifiable fixed price transactions to IF for October. It is the opinion of some, that the reason for doing so made no difference, and only eliminated us as an active price setting participant. In an effort to get everyone's opinion on this, reply as to the following:

1. Report according to our book bias. (as in the past)
2. Report verifiable fixed price trades only.

Walton and Phillips both responded by choosing option 1 [Exhibit 375, 376]. In other words, they voted to continue the scheme.

### **Response to Defense Objections**

#### **I. WALTON**

##### **¶204 Managerial/Supervisory Role**

The following factors should be considered when deciding whether to enhance a defendant's offense level under U.S.S.G. §3B1.1: (1) the exercise of decision making authority; (2) the nature of participation in the commission of the offense; (3) the

recruitment of accomplices; (4) the claimed right to a larger share of the fruits of the crime; (5) the degree of participation in planning or organizing the offense; (6) the nature and scope of the illegal activity; and (7) the degree of control and authority exercised over others. U.S. v. Gonzalez-Mendoza, --- F.3d ----, 2009 WL 3271211 (7<sup>th</sup> Cir. 2009). These factors support the PSI's conclusion that defendant Walton was a supervisor/manager.

Christopher Bakkenist,<sup>1</sup> an El Paso natural gas trader who transmitted lists of fake trades to *Inside FERC*, described the scheme in a written narrative that he gave to the government during an April 1, 2003, interview:

#### Reporting Process

1. Jim Brooks orders cash traders to "get with your basis traders and report the bias".
2. Basis traders direct the cash traders on prices or prices/volume that they want reported. Examples: 1. We are told to report specific volume and price for each trading location. (you need to report 1 Bcf at \$5.00 at Chicago) 2. We are told to report a certain price range for a location. (report all your Chicago volumes between \$5.00 and \$5.10) 3. We are told to report "high" or "low" for a location. (I need you to report Chicago low) All orders to report by the basis traders were similar to these examples.
3. I now have to create a report that reflects these orders. I assign volumes to the pricing direction I was given. I tried to make sure the reports reflected real prices and did not exaggerate our real physical volumes.

In this very short narrative, Bakkenist used the words "orders", "direct", "direction"

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<sup>1</sup> Bakkenist pleaded guilty to one count of False Reporting before Judge Nancy Atlas in Crim. No. H-04-453.

and “we are told” *seven times* to describe the relationship between basis traders – which included defendant Walton – and the lower-level physical (“cash”) traders such as Bakkenist and defendant Phillips who submitted reports to *Inside FERC*. Bakkenist explained that the “orders” were not always explicit, but were phrased in ways such as “I need you to report Chicago low”.

Bakkenist’s description of the role of basis traders in the conspiracy is consistent with the trial testimony of Dallas Dean and Sharon O’Toole about Walton.

#### Dallas Dean’s Testimony

Brooks told Dallas Dean that a very important part of his job was to report “biased” index prices to *Inside FERC* that would enhance the basis positions of the financial trader for his “desk”. [Tr. at 3030]. Walton was the financial trader for Dean’s desk, i.e., the Gulf Coast region. [Tr. at 3021]. In the hierarchy at El Paso, Walton was at least one level above Dean. [Tr. at 3022].

When it was time for Dean to create a report, Walton would give Dean a paper containing anywhere from four to eight numbers. [Tr. at 3031]. The paper showed Walton’s trading positions. [Tr. at 3031]. Occasionally, Walton would verbally explain his positions and make a comment like “Come on, buddy. Help me out.” [Tr. at 3076]. Walton would say things like “Those are my positions that you have there. Just see if you can get the spread to come out like a penny -- Columbia back a penny.” [Exhibit 1085; Tr. at 3079].

The communications from Walton to Dean were not phrased as an order. [Tr.

at 3725]. However, Dean knew that if he did not report the false information as requested, he would lose his job. [Tr. at 3041]. In fact, there was only one reason for Walton to give the paper to Dean: so Dean could use it to generate false information to send to *Inside FERC* in order to benefit Walton's trading position. [Tr. at 3077].

Dean prepared his reports to *Inside FERC* based on the positions that he received from Walton. [Tr. at 3125]. Dean knew whether to try to make an index price go up or down by looking at the paper Walton gave him. [Tr. at 3160]. If Walton's position was "long" Dean would report false trades at the high end of the price range at which real trades had taken place in the market. Conversely, if Walton was "short" Dean would report false trades toward the low end of that price range. [Tr. at 3162]. The trades Dean listed on his report were "lies" and "fake". [Tr. at 3158].

#### Sharon O'Toole's Testimony

The first time Sharon O'Toole reported fake trades at El Paso, defendant Phillips was her boss. Defendant Brooks told Phillips to give O'Toole information on what to report, and then Brooks told O'Toole to be sure to get with Walton before she turned anything in. [Tr. at 3880]. O'Toole understood Brooks was telling her to obtain a target price, or range of prices, from Walton. Then O'Toole was to create a list of trades with a weighted average price equal to the target number or range and submit the list to *Inside FERC*. [Tr. at 3943] The listed trades were fake with maybe some real ones thrown in. [Tr. at 3915, 3944].

O'Toole did as directed. O'Toole asked Walton whether he had numbers that he wanted the index to be for that month. Walton gave her numbers. [Tr. at 3976-97]. Using the target price she received from defendant Walton, O'Toole "back[ed] into the numbers" to report to *Inside FERC* [Tr. at 3879].

On one occasion when O'Toole went to Walton for guidance, Walton told her simply that "LA, I want it to be low. ANR, high."<sup>2</sup> [Tr. at 4210-12; Exhibit 1275]. Based on these "instructions", O'Toole created and submitted to *Inside FERC* a list of fake LA trades with an average price on the low end of the real trading that had occurred during bid week and a list of fake ANR trades with an average price on the high end. [Tr. at 4212].

Donald Burwell

Donald Burwell,<sup>3</sup> another El Paso physical natural gas trader who reported fake trades to *Inside FERC*, also supported the conclusion that defendant Walton was a manager/supervisor. Burwell explained the following to investigators:

GEIGER provided BURWELL with where he wanted the index to be. BURWELL would then work with the numbers to come up with that index price. WES WALTON also gave him where he wanted the index to be. WALTON provided index targets. WALTON provided the index targets for ANR, NGPL, and Trunk Louisiana. All others came from GEIGER. BURWELL used an Excel spreadsheet with a weighted-average formula to come up with the numbers to report. It took him only 5 to 10 minutes to complete the spread sheet once he received the target numbers from GEIGER

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<sup>2</sup> LA refers to the NGPL Louisiana pipeline. ANR means the ANR Southeast pipeline. [Tr. at 4215]

<sup>3</sup> Burwell pleaded guilty to one count of False Reporting before Judge Vanessa Gilmore in Crim. No. H-04-513-S.

and WALTON. BURWELL would fill out the report and give it to BROOKS who would decide if the volumes to be reported were high enough. [FBI 302 of interview dated 6/14/06]

### Audio Tapes

Audio recordings admitted into evidence actually captured defendant Walton in the act of guiding El Paso traders while they created false reports. For example, in one recording [Exhibit 1171]<sup>4</sup>, Walton encouraged defendant Phillips and gave him specific guidance as to a number to report:

Phillips: I got the Waha index here at 5.826. You think that's too low?

Walton: Atta boy.

Phillips: Think that's too low, to be credible?

Walton: That might be too low.

[Voicemail tone]

Phillips (to 3<sup>rd</sup> person): Hey, this is Pat. Give me a call. Bye.

Walton: That's too low.

Phillips: Too low to be credible?

Walton: Yeah. I think it's like it's - that's probably 15 cents too low to be credible.

In another recording [Exhibit 1126]<sup>5</sup>, Walton told Phillips "it worked" and then boasted that we "got" two index prices "exactly where we wanted 'em".

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<sup>4</sup> Walton-Phillips (1/31/01)

<sup>5</sup> Walton-Hinkebein; Phillips in background (9/1/00)

Walton (to Phillips): It worked. Thank you. Could'a got the Waha a little lower, but the Ship Channel is nice. All right. I appreciate it.

Walton: Know they're taking credit for that high Ship Channel.

Hinkebein: Who was?

Walton (to 3<sup>rd</sup> person): Wha?

Hinkebein: Ethel?

Walton (to 3<sup>rd</sup> person): Yup?

Walton: Pat Phillips, my cash trader in Texas.

Hinkebein: Oh. Oh.

Walton: He's the one that reports the indexes.

Hinkebein: Oh really?

Walton: He was all fired, he was all fired about the Ship Channel coming out high and the Katy, 'cause he, we got the Katy and the Ship exactly where we wanted 'em.

**¶205**  
**Obstruction**

The United States will file a separate pleading on the question whether an enhancement for obstruction of justice is appropriate for defendant Walton.

**¶202**  
**50 Victims**

Whenever two parties entered into a transaction to buy and sell natural gas at an index price that had been manipulated by the defendants, one party gained and the other lost. Because *Inside FERC's* and *NGI's* index prices were so widely used, there

is simply no doubt the defendants' scheme caused well over 50 victims to lose money at one time or another. For example O'Loughlin's report dated September 14, 2007 (attached as Exhibit A) lists eighty-seven (87) companies that bought or sold natural gas at index prices affected by the defendants' false reporting scheme.

The defendants' fraud scheme also created losses for many victims not listed on O'Loughlin's report. For example, Bryce Bales, director of the Energy and Marketing program at the Texas General Land Office ("GLO"), testified that the GLO sold natural gas from state-owned lands to state agencies at *Inside FERC*'s "Houston Ship Channel" index price. [Tr. at 2720-35]. The money that the GLO received went into a trust fund called the Permanent School Fund that benefitted about 4.4 million public school students. [Tr. at 2715]. When *Inside FERC*'s Houston Ship Channel index was manipulated downward, the GLO – and thus 4.4 million school children – became victims. [Tr. at 2743]. When the index was manipulated upward, state agencies such as M.D. Anderson cancer center became victims. [Tr. at 2744]. The GLO would never have used *Inside FERC*'s index if Bayles had known the result would be to either deprive schoolchildren of money or to overcharge customers buying gas from state lands. [Tr. at 2744].

Unfortunately, it is beyond the resources of the U.S. Attorney's Office in this case to obtain and analyze all of the data that would be needed in order to measure the *net* amount any third party's gained or lost taking into account all of that party's transactions affected by a specific index price.

**¶201**  
**Loss**

The United States has a complete set of data showing all transactions by El Paso Merchant Energy (“EPME”) that were affected by index prices. Because EPME’s gains are exactly equal to third parties’ losses, it makes sense to use the net gain to EPME as an alternative measure of the victims’ losses. See U.S.S.G. § 2B1.1, n. 2(B) (“The court shall use the gain that resulted from the offense as an alternative measure of loss only if there is a loss but it reasonably cannot be determined.”)

As a result, the PSI estimates the amount of money EPME gained as a result of certain false reports. The estimate is taken from tables prepared by O’Loughlin dated July 24, 2009, entitled “El Paso’s Gains (Losses) from Defendants’ False Reporting to Inside FERC”. These tables are attached to Walton’s Objections as Exhibit 7 and to this response as Exhibit B.

Defendant Walton objects to four aspects of these loss calculations.

(I)     **VWA**

First, Walton challenges the methodology that O’Loughlin used to estimate the likely effect of El Paso traders’ false reports on *Inside FERC* index prices. The government submits that O’Loughlin used a sound methodology.

Walton claims that O’Loughlin failed to establish any causal relationship between (a) the volume weighted average appearing on *Inside FERC* work sheets and (b) index prices. The opposite is true. O’Loughlin testified that *Inside FERC*’s

selection of index prices was heavily influenced by statistical calculations, particularly the volume weighted average of reported trades. O'Loughlin's exact words were: "... it's clear that the volume-weighted average and the change in the volume-weighted average is *driving* the index price and, in particular, the change in the index price." [Tr. at 1519 (emphasis added)].

The following excerpts from O'Loughlin's trial testimony give greater detail regarding his conclusions:

Q. Let me ask it this way: As you formed your view and your opinion, describe the factors that you took into account when you looked at how *Inside FERC* created its index prices.

A. What's clear to me, in my opinion, this is a highly quantified process that *Inside FERC* uses. It is trying to collect a lot of data from market participants as to actual transactions that those market participants did to come up with an index price that is reflective of the transactions out in the market. And, so, there's a lot of data that gets brought into play and quantified. And the volume-weighted average calculation is a significant aspect of that process. So, I started by looking at the survey process that *Inside FERC* used. And, again, what you see is they've -- *Inside FERC* has developed a survey. Right? It's a survey where they try to have a large number of market participants provide them with data on a monthly basis. They want actual transactions from those market participants. They've tried to make it as simple as possible by creating a spreadsheet template where that data could be provided to *Inside FERC* in a rapid manner, but that the data could be collected on actual transactions.

Q. Let me stop you there to just see if I can put up an example of this template that you are discussing. I'm going to put up right now Government Exhibit 275, and I will go from the first page to the second. What are we looking at here?

A. All right. Here's a copy of the template that *Inside FERC* has developed. And, again, it's just designed to make it easy for participants to provide, you know, actual transactions, information on quantity and price for actual transactions that *Inside FERC* will be able to use. You can see in the instructions here, "Only report fixed-price, baseload deals...", which is shown

there (indicating). And, again, it's just part of the process of collecting the information.

Q. Okay.

A. In analyzing this, what I found was, again, trying to get as many participants as possible, *Inside FERC* was trying to recruit new market participants to provide data on their transactions because they wanted as many transactions as they could get their hands on. They wanted more specificity with regard to those transactions. Right? They started off with price. They wanted volume information over time. As time went on, they started asking for counterparty information. So, again, what I was seeing was that the collection process was designed to gather as much quantitative information about the actual trades as possible in the marketplace.

[objection overruled]

Q. In your work, have you had the opportunity to look at methodology statements such as the one that I'm putting up on the overhead now, Exhibit 231?

A. Yes.

Q. And I will go to the second page where it says monthly prices. So, what significance, if any, were methodology statements such as this one in your analysis?

A. If I can just have a second.

Q. Sure.

A. There's various points along the way and just -- Let me just jump through them. Again, you've got a sample that is composed of a variety of the industry, again indicating that they're trying to collect data from a wide variety of participants in the industry. Again, my understanding was that they were asking participants to participate regularly in the filing of these reports and not to sort of jump in and out from one month to the next, but to basically file these price reports each month. Again, down here you've got price assessments that are based on original reporting. So, they're looking for actual transactions, as it says, actual spot sales agreements. And, as you can see here in the next paragraph, they're talking about the index being determined by considering the

result of a number of statistical calculations on the transactional data, including the volume-weighted average, the median, the simple average, the mode and other measures of frequency of occurrence and others' knowledge of deal-making for the period. The -- They're collecting a lot of quantitative data about actual transactions. They're trying to come up with a price that's reflective of actual deals. What they're doing then is calculating a number of statistical measures on the data that they're collecting. So, I view this as a very quantitative process where the data is collected and calculations are made. There is an editorial component to the process, but a large portion of the process is the quantification of the information and the calculation of the volume-weighted average.

...

**The volume-weighted average was a key component of *Inside FERC*'s process for deriving the index price.** It's clear that the editor also believed that there were editorial judgment going into the derivation of that price. But, **from my perspective, the quantification of the data is a significant component of the analysis.**

Q. Why do you say that, based on his testimony you read?

A. Based on the testimony, based on the review of the methodology, based on the spreadsheet that's built by *Inside FERC* designed to bring in this data and then calculate this measure. These are all factors that weave into the significance of the volume-weighted average.

Q. Did you have the opportunity to examine a very large number of worksheets that Mr. Doolan and his colleagues created at *Inside FERC*?

A. Yes, I have.

Q. What was your purpose in taking a look at those?

A. The purpose was to look at the relationship between the volume-weighted average and the index price and, also, changes in the volume-weighted average and changes in the index price so as -- trying to capture the relationship between those two items.

Q. Approximately how many of those worksheets did you and your team look at?

A. I believe we looked at about 1,600 different worksheets over a 28-month period between 2000 and the early part of 2002.

...

A. ... One is we know that, for those 1,600 observations, in about 80 percent of the time, the volume-weighted average was the same as the published index price in terms of what was used by *Inside FERC* for the index price. And, so, what this shows -- And it's a -- what I would call a -- This is a broad graph, and we will actually cut into a slice in just a minute. But it just shows, in general, there's a linear relationship between the two, which is not surprising, that, as *Inside FERC* would get deals supplied to it for a given location in a given month with a higher volume-weighted average, that would lead to a higher index price, all else equal. And it tends to be a relatively linear relationship, as we'll see when we look at more detailed graphs. But the idea was to just show the relationship between the volume-weighted average and the index price.

Q. What do you take from that -- what you're describing as a linear relationship?

A. The -- As you start to look at that relationship, what it suggests is that, as you change the data set, as you change the set of data from which *Inside FERC* develops its measures, including the volume-weighted average, you are very likely to change what the resulting index price will be that gets published.

...

And, again, what I take from this is, **as the index publisher got different data sets that led to different volume-weighted averages, it typically resulted in a different index price and the change in those volume-weighted averages corresponded directly to the change in the index price.**

Q. You have used the term "explanatory variable" before. What does "explanatory variable" mean?

A. It's the notion that there is a variable that helps explain the behavior of another variable.

Q. What is the major explanatory variable that you see with respect to *Inside FERC* index prices during the period that you analyzed them?

MR. GERGER: Same objection.

THE COURT: Overruled.

A. Based on these graphs, **it's clear that the volume-weighted average and the change in the volume-weighted average is driving the index price and, in particular, the change in the index price.** There's a strong relationship between the two. [Tr. at 1499-1519]

...

Now, when you did compare the information to the universe that you had, you were using the premise that the volume-weighted average of the index is the predominant figure or factor that the magazine is using. Right?

A. **I would say that the volume-weighted average plays a significant role in the derivation of the index price.**

Q. So, it is the volume-weighted average that you're looking at and you're recognizing that it plays a significant role. Right?

A. Yes.

Q. And you would also agree with me that editorial judgment plays a significant role. Correct?

A. It plays a role.

Q. Do you think it's a significant role?

A. Not that significant.

Q. All right. And that's based upon your analysis of statistics. Correct?

A. It's based on a review of their methodology and a description of their methodology and then leading to an analysis of the data. [Tr. at 1689-90]

...

Q: ... [Doolan] says that his work is largely a matter of editorial judgment. Correct?

A. I believe he's stated that in the past. That's correct.

Q. And you're just disagreeing with that, aren't you? You can answer "yes" or "no" and then say whatever you want. But you're disagreeing with that, aren't you?

...

A. Yes. I would say I'm disagreeing with that. [Tr. at 1801]

...

Q. Explain what you mean when you say you disagree with Mr. Doolan.

A. Well, it -- I would have to go over my direct examination again. But, again, it's -- He has a view of his activities. I understand there's editorial judgment involved. But what I'm looking at is the data and the analysis here. We're not talking about a process by which, you know, Mr. Doolan is just sitting in his office coming up with numbers. He's going out there. **It's a quantitative process.** He's collecting data on actual transactions from market participants. He's taking that data. He's putting it in a spreadsheet. He's calculating a variety of statistical measures, including the volume-weighted average, and developing estimates of the volume-weighted average which inform what his index price is. My key point is that, looking at the graphs that we had shown earlier, as you get different data sets every month -- You know, he goes through this every month at different locations and he sets a price -- an index price to the penny. **As he gets different data sets each month from different locations with different trades in them, he again calculates the volume-weighted average, calculates other measures.** He uses editorial judgment both before, you know, he -- when he creates the active area of his worksheet, which we've preserved when we do our calculations, and he also does other editorial things in choosing the index. But **what you see is that, as the volume-weighted average in the data set changes, the index price changes.** And my point is that the change in the volume-weighted average is a reasonable or likely estimate of what the change in the index price would be from month to month as you get different data sets. So, if -- instead of getting false data, if you had gotten a different data set and you want to have a sense of what the effect is on the index price, it's this change in the volume-weighted average that gives you the best sense of how to estimate that. That's my point. [Tr. at 1803-05]

(ii) **Basis Summaries**

Second, Walton challenges O'Loughlin's use of "Basis Summary by Region" charts [Exhibits 1027-1076] to estimate the amount of money that EPME gained each time the defendants manipulated an index price. The government submits that O'Loughlin used the charts appropriately.

El Paso's Ron Sanders testified that these charts reveal exactly how much money EPME made for every one-penny movement in index prices. Sanders explained how to make that calculation using the charts:

Q. Okay. If it's a negative number, is the company going to make money if the *NGI* price goes up or goes down?

A. Down.

Q. For every penny that the *NGI* SoCal index was going to publish on September 1st, 2000, went down -- for every one-penny movement down, how much money did El Paso stand to make?

A. I think it would be \$125,720.

Q. Can you say that again. And, if you need to use your calculator, go ahead.

A. \$125,720.

Q. \$125,720. Can you explain what the math is in making that conversion from this number that we see on the exhibit to getting to that number when you're analyzing the one-penny movement.

A. These volumes are stated in contracts. So, what you would have to do is you would have to take the 1,257.2 times 10,000, and that would give you 12,572,000. And then you would multiply that by a penny, and that would give you the 125,720.

Q. Okay. That's the math behind it. Is a shorthand way to do it to take where the

decimal point is, move it one to the left and state that number in thousands?

A. Yes.

Q. So, if a jury, looking at these position reports, wanted to do that same analysis themselves, they could take this 1257.2, move the decimal point one to the left and then just state it in thousands and they're going to come out with the same number you did the math for, which would be \$125,720?

A. Yes.

Q. For everyone-penny movement down?

A. Yes. [Tr. at 4902-03]

Sanders' testimony was consistent with his testimony at a prior trial (U.S. v. Valencia et al., H-04-514). When asked at the earlier trial to describe the "best measure" of how much money El Paso stood to gain or lose for every penny drop in index prices, Sanders said it was El Paso's "fixed-price basis position". [Transcript, July 26, 2006, p. 44]. That position is recorded in the "Basis Summary by Region" charts.

Defense expert Benjamin Schlesinger attacks O'Loughlin's use of the "Basis Summary by Region" charts, as well. In his report dated November 4, 2009, Dr. Schlesinger opines that O'Loughlin's loss calculations are unreliable because O'Loughlin's tables "say nothing about the degree to which El Paso was hedged in its transactions in ways that would reduce its exposure to changes in index price levels for any reason, let alone false reporting. ... [T]he Brattle tables are not reliable to the extent that they fail to consider hedging ..." (¶11-12). Unfortunately, the defense

seems not to have informed Dr. Schlesinger that the Basis Summary by Region charts do, in fact, take into account hedges. The government exhibit books include two parallel sets of Basis Summary by Region charts: a set labeled “All EPME” and a set labeled “Natgas”. The “All EPME” charts show El Paso Merchant Energy’s overall position. [Tr. at 4885]. The “Natgas” charts include only a subset of the books included in the “All EPME” charts, specifically, the books that natural gas traders were responsible for managing. [Tr. at 4683]. Government Exhibits 1026-A and 1038-A reveal exactly which “books” are included in which set of charts. Both sets of charts include hedge “books” and the relevant positions are largely the same.<sup>6</sup>

O’Loughlin provided the defense with a listing, by bates number, of the specific charts he used in his loss analysis (attached as Exhibit C). These bates numbers correspond to the “Natgas” charts.

(iii) **Assigning “Gain” or “Loss”**

As stated above, the government believes all three defendants should be held responsible for the same loss amount.

(iv) **U.S. v. Olis**

Defendant Walton argues that O’Loughlin’s loss figures are inconsistent with “economic reality” because they fail to take into account whether the defendants’ fraud “balanced out” fraud by other persons thus resulting in an “accurate market

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<sup>6</sup> O’Loughlin listed by bates number the specific charts used in his loss analysis (attached as Exhibit C). These bates numbers correspond to the “Natgas” charts.

picture". Dr. Schlesinger makes a related argument in ¶13 of his report, i.e., that differences of one to three cents "are below the level of accuracy in the gas trade reporting" so fraud that causes an index to move by three cents or less cannot generate gains or losses. These arguments are misplaced.

Defendant Walton was convicted of conspiring and scheming to alter index prices (changing them from what they otherwise would have been) through fraud, that is, by directing others to report reporting inaccurate information (lists of fictitious natural gas trades) to publications that calculated the index prices. Logically, the resulting loss should be based on the amount by which he and his co-conspirators actually altered the index prices.

If the Court were to follow Walton's argument, the loss would be reduced when Walton's fraud happened to make an index more representative of actual trading *and increased when it made the index less representative*. Such an approach would lead to an exceedingly arbitrary result, because at the time he instructed Dean, O'Toole and others to transmit false reports to *Inside FERC*, Walton could not possibly have known whether, and to what extent, other pernicious influences (such as false reports by other traders) would cause index prices to deviate from a "accurate" market price. He therefore had no way to know whether El Paso's fraud would offset such influences or make them worse.

The Fifth Circuit, in U.S. v. Olis, 429 F.3d 540 (5<sup>th</sup> Cir. 2005), directed courts to isolate the impact of a defendant's fraud so as not to punish a defendant for price

changes caused by other factors ("extrinsic market influences"). By measuring how defendants Brooks, Walton and Phillips changed an index price from what it would have been without their fraud, O'Loughlin did exactly what the Fifth Circuit directed: he isolated the impact of their criminal conduct - as opposed to extrinsic influences - on the index price.

Regarding Dr. Schlesinger's argument – that index prices are never “accurate” to within three pennies — Schlesinger completely misses the point of the whole scheme. The *goal* of the scheme was to move index prices by just a few pennies. Even one-penny movements in index prices published by *Inside FERC* or *NGI* could result in very large gains or losses to El Paso. [Tr. at 4895]. If the defendants reported fake prices to *Inside FERC* that were too far off from real prices, *Inside FERC* would likely have rejected their reports as outliers. El Paso traders were clearly aware of this, as Sharon O'Toole explained:

A. ... And, when you turn in these numbers, we wanted them to smell the -- to pass the smell test, if you will. You don't want to report them too far out of where anybody heard anything actually trading during that time so they wouldn't raise a flag.

Q. Where? Raise a flag where?

A. There was a thought that *Inside FERC* was kind of doing it the same way we were and, if they didn't think they liked something, we just believed they would throw it out. [Tr. at 3951-52].

Significantly, Dr. Schlesinger estimates that if all changes in index prices of three pennies or less were disregarded, the losses attributed to defendant Brooks

would be \$4,249,150. If the Court selects this conservative figure as the loss, it should be attributed to all three defendants because they all participated in the scheme and the loss was foreseeable – in fact, it was the goal of the scheme.

## II. PHILLIPS

### ¶15

This paragraph is accurate. Defendant Phillips was the head physical trader for El Paso's Texas Desk. He was also a Vice President. In this capacity, he had significant influence over others. For example when Sharon O'Toole started working at El Paso, Phillips was her boss. [Tr. at 3862, 3885]. Phillips participated in all "desk head" meetings, and he was the person who directed O'Toole when she worked under him. [Tr. at 3887-88].

### ¶15

This paragraph is accurate. There was no evidence whatsoever that defendant Phillips was in any way confused as to what *Inside FERC* wanted him to report.

### ¶16

This paragraph is accurate. The government disagrees with Phillips' characterizations of *Inside FERC*'s instructions.

### ¶17

This paragraph is accurate.

### ¶21

Defendant Phillips "guided" El Paso employee Steve Kennedy as Kennedy

created lists of fake trades to report to *Inside FERC*. Examples of exhibits showing this are described in the following paragraphs of the PSI: 128, 138, 142, 146 and 154.

**¶169-172 and 202**

PSI ¶169 describes how O'Loughlin estimated the loss. O'Loughlin's precise calculations are detailed in his July 24, 2009, tables. O'Loughlin described his methodology in his report dated September 14, 2007, and in much greater detail during his lengthy trial testimony. Tr. at 1473 et seq. ("My assignment was to calculate losses resulting from the Defendants' alleged instances of false reporting ..."). In addition, the government has answered all questions posed by defense counsel thus far about O'Loughlin's calculations.<sup>7</sup>

**¶180-195 and 206**

The United States will file a separate pleading on the question whether an enhancement for obstruction of justice is appropriate for defendant Phillips.

**¶202**

The gain to EPME listed in the PSI was, in fact, reduced by the amount of EPME's losses. The loss numbers in the PSI are the sum of all EPME gains *and losses* that are listed in the right column of O'Loughlin's July 24, 2004, tables..

**¶203**

Please see the government's response to Walton's objection regarding the

---

<sup>7</sup> Dr. Schlesinger understood O'Loughlin's methodology because he re-did O'Loughlin's calculations after eliminating losses caused by index price movements of three pennies or less.

enhancement for more than 50 victims.

¶205

The emails described PSI paragraphs 128, 138, 142, 146 and 154 are proof that Phillips oversaw and managed Steve Kennedy's submission of false reports to Inside FERC. In a typical month, Kennedy create a list of fake trades, emailed it to Phillips asking for comments, and then emailed Phillips a final list with the following question: "O.K.?" [Exhibit 564].

**II. BROOKS**

¶169 - 174

Please see the government's response to Walton's objection regarding loss.

¶177-180

The information in PSI paragraphs 177-180 is informative because it shows how manipulated index prices created huge gains and losses throughout the country.

¶181-184

The United States will file a separate pleading on the question whether an enhancement for obstruction of justice is appropriate for defendant Brooks as a result of his actions prior to the trial. Regardless, an enhancement for obstruction of justice is clearly appropriate for defendant Brooks because he lied repeatedly during his trial testimony. The following two examples:

1. The meaning of the words "Report according to our book bias"

Defendant Brooks lied when he explained the meaning of his instructions to El Paso traders to report to *Inside FERC* "according to our book bias". Here is an

excerpt of that testimony:

Q. What does "book bias" mean, Mr. Brooks?

A. That is a term that I used in this e-mail to describe *an assessment of value* using El Paso's book in order to provide an assessment to the publications of our -- a sample.

Q. You say in parentheses "(as in the past)". Do you see that part?

A. Yes, sir.

Q. Tell the ladies and gentlemen of the jury what you had been instructing people to do in the past.

A. This goes back to April of 2000, where I was instructed on how the Physical Desk would transact according to a policy, that physical transactions that had an open position left in them after bidweek would only be closed using an index transaction so that no fixed-price risk would be created during a period of time that it couldn't be hedged.

Q. And what was your instruction in the past as to how they would come up with a book bias, if that was your instruction?

A. I advised them to get with their basis traders who marked the book value, that then it would help them establish what *the fair market value was at each location* that we reported to the publication. [Tr. at 2007-08]

This claim – that “Report according to our book bias” meant report fair market value – is contradicted by the great bulk of evidence in the case. The evidence established that Brooks’ words really were instructions to report fictitious trades that would influence *Inside FERC* to publish an index price beneficial to El Paso’s trading book. Dallas Dean summed it up best when he quoted Brooks: “At El Paso, we game the system.” [Tr. at 3030].

2. When Brooks became involved in reporting prices to index publications

On direct examination, defendant Brooks testified that he had no knowledge of the procedure at El Paso for reporting prices to index publications until he met with his boss, Tim Bourn, in April, 2000:

Q. What event, if any, occurs in April of 2000 regarding your understanding of the purchase of physical gas for the Physical Desk?

A. I was called in to Tim's office. There was a discussion about fixed-price trading.

Q. All right. And without going into what he said specifically in April, what did you understand that fixed – what did you understand from that conversation?

A. There seemed to be information that there was quite a bit of fixed-price trading being done on the Physical Desk. The concern was that we had quite a bit of new personnel that may not understand the policy towards trading fixed-price in the physical book and that he no longer wanted the physical traders to take fixed-price risk.

...

Q. Without going into what he may have said or didn't say -- that's hearsay -- what was your understanding after your meeting with Tim Bourn as to what the Physical Desk was going to be doing in regards to trading and why?

A. There was -- The directive was we would no longer trade fixed-price physical deals in order to close bidweek positions.

...

Q. Now, at the same time, was there a policy that -- in regards to reporting to the magazines?

A. It was communicated to me that we would continue to report index to the magazines.

Q. Now, had you been involved in reporting to the magazines prior to this point?

A. Not at El Paso. No.

...

Q. Did you -- Prior to this April date did you have any specific knowledge one way or the other as to what the reporting procedure was?

A. At El Paso?

Q. Yes, sir.

A. No, sir. [Tr. at 1858-62]

On cross-examination, AUSA Beek questioned Brooks about his purported April 2000 meeting with Bourn:

Q. Mr. Brooks, I'd like to direct my questions to begin back to where you started pretty much on your direct, specifically this meeting you told us about several times in April of 2000. Do you know what I'm talking about?

A. Yes, I do.

Q. The meeting with Mr. Bourn?

A. Yes.

Q. Okay. Who else was there?

A. I believe it was just myself and Mr. Bourn.

Q. And how do you remember this April, 2000, meeting so specifically?

A. Because it was the -- basically, the first time that I had had a discussion with him about indexing or a matter specific to the Physical Desk at El Paso. [Tr. at 2132-33]

Continuing under cross-examination, Brooks then testified that Exhibit 1 was the first report he sent to *Inside FERC*. Exhibit 1 was dated April 28, 2000, i.e., after the purported meeting with Bourn:

Q: ... Going back to the end of April, the one that we see on the screen -- if we could enlarge the handwriting section -- do you recall if you faxed this one yourself or if you gave it to somebody else to be faxed?

A. I wrote out this cover sheet and collected the paperwork, but I don't recall if I actually faxed it or handed it to the administrative assistant that had the fax machine behind the phone desk.

Q. Okay. But that is -- You said you wrote out the cover sheet. So, that's your handwriting on that cover sheet. Right?

A. It is.

MS. BEEK: Your Honor, may I approach the witness?

THE COURT: You may.

By Ms. Beek: Q. And I'm sorry. You said that this May -- I'm sorry -- this April one was the first one that you ever sent in?

A. That is my recall. Yes. [Tr. at 2147-48]

Then, AUSA Beek confronted Brooks with a report [Exhibit 1701] dated an entire month earlier, i.e., March 31, 2000:

Q. ... What's the date on this document, Mr. Brooks?

A. March 31st, 2000.

Q. And that's your handwriting, too, isn't it?

A. That's correct. It is.

Q. So, you lied when you told the jury that the first one you ever sent in was April, 2000, didn't you?

A. I just didn't recall.

Q. Oh.

...

Q. So, you had sent faxes before your -- the meeting you said that happened with Mr. Bourn in April. Is that right?

A. By this, it does look to be that.

Q. Okay. So, the reason you were sending reports was not because Mr. Bourn told you to, is it?

A. I believe that I just must have misunderstood the time period in which I had the meeting with Mr. Bourn.

Q. Oh. So, when do you think the meeting happened now?

A. Well.... Prior to this e-mail.

Q. Prior to March --

A. Prior to this --

Q. Prior to March 31st, 2000?

A. (Indicates affirmatively)

Q. I'm sorry. You have to answer out loud.

A. Yes.

Q. Do you know when?

A. Apparently, I don't. It just seemed like it was in that time period.

Q. Actually, on Friday and today, you were very specific in saying it was April. Do you recall that?

A. I do, because I reviewed the e-mail -- or the cover page.

Q. Okay. You didn't realize we had this one, did you?

A. This is the first time that I've seen it.

Q. If I pull out another one, are you going to change your answer again?

A. I don't -- I don't know if -- if I will change my answer.

Q. The story about the meeting in April where you said this policy was set is not true, is it?

A. Excuse me?

Q. The story that you told the jury about the meeting in April with Mr. Bourn is not true, is it?

A. It didn't occur in April.

Q. It didn't occur at all, did it?

A. It definitely occurred. Yes.

Q. If it occurred, why didn't you tell those Haynes and Boone lawyers about it?

A. I don't know if I was asked about it. [Tr. at 2148-50]

In reality, as explained by Dallas Dean, defendant Brooks directed El Paso traders to report fictitious trades as far back as late 1999:

Q. When you came to El Paso, how did you learn that part of your duties was to report to *Inside FERC*?

A. Mr. Brooks informed me that was a part of my job.

Q. You came on November 1st, 1999, at the merger. Can you remember approximately when he told you this?

A. It was within the first 30 to 60 days, is my recollection.

Q. And, as best you recall, what did Mr. Brooks tell you when he told you that?

A. Mr. Brooks told me that, at El Paso, part of my -- a very important part of my job was to report index prices to *Inside FERC* in an effort to enhance the

basis positions as the financial trader for our desk.

Q. And did he use a particular expression when he told you that?

A. He did.

Q. And what was that?

A. He said, "At El Paso, we game the system."

Q. What was -- When he said that it was your job to help -- by reporting, to help the -- Could you say again what he said. And, also, could you speak up just a little bit.

A. To report prices to the natural -- to *Inside FERC* specifically in a manner that would enhance the basis trader's position for our desk -- or on our desk. [Tr. at 30-29-30]

Respectfully submitted,  
TIM JOHNSON  
United States Attorney

By: //John R. Lewis//  
John R. Lewis  
Belinda Beek  
Assistant United States Attorneys

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IN THE UNITED STATES DISTRICT COURT  
FOR THE SOUTHERN DISTRICT OF TEXAS, HOUSTON DIVISION

UNITED STATES OF )  
AMERICA )  
v. )  
JAMES PATRICK PHILLIPS, ) CRIMINAL NO. H-04-512-S S  
WESLEY C. WALTON and )  
JAMES BROOKS, )  
Defendants.

Expert Report of

Matthew P. O'Loughlin

September 14, 2007

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**I. INTRODUCTION AND SUMMARY**

1. My name is Matthew P. O'Loughlin. I am a Principal of *The Brattle Group*, an economic and management consulting firm with offices in Cambridge, Massachusetts, San Francisco, California, Washington, DC, London, England, and Brussels, Belgium. My office is at 44 Brattle Street, Cambridge, MA 02138.
2. I have over twenty years of experience consulting to firms in the energy industry on pricing and ratemaking, project and contract evaluation, business strategy, and market assessment. I hold an M.A. in Finance from The Wharton School, University of Pennsylvania and a B.A. in Economics and Business from Saint Anselm College.
3. I have been asked by the U.S. Attorney's Office for the Southern District of Texas (Houston Division) to calculate the losses resulting from alleged false reporting of natural gas trades to two industry trade publications, *Inside FERC* ("IF") and *Natural Gas Intelligence* ("NGI") (referred to herein collectively as "Index Publishers" and individually / interchangeably as "Index Publisher") for certain natural gas index price locations and months.

**II. METHODOLOGY**

4. The methodology, approach, and reasoning I use here are generally the same as I used in a prior proceeding. Specifically, I submitted expert reports on March 21, 2006 and March 31, 2006 in the matters of United States of America vs. Michelle Valencia and United States of America vs. Greg Singleton, respectively, [Criminal Action No. H-04-514-SS and Criminal Action No. H-06-80, respectively, which were consolidated]; I also submitted a June 2, 2006 narrative explanation in that proceeding of a supplemental analysis that I submitted on May 22, 2006. In addition, I provided testimony and exhibits at trial in the consolidated proceeding (see the hearing transcript and associated exhibits for

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July 27-28, 2006). These prior reports, testimony, and exhibits describe my methodology and reasoning in extensive detail (and contain my c.v.); consequently, I do not repeat them here. It is my understanding that my expert reports, trial transcript and associated exhibits in the prior proceeding (Cr. No. H-04-514-SS and Cr. No. H-06-80) have been made available to Defense counsel in this proceeding.<sup>1</sup>

5. My analysis in this report examines instances of alleged false price reporting, each characterized by a given month, Index Publisher and location (i.e., the December 2000 *Inside FERC* index price for Katy, Texas constitutes one example of an index price). I examine instances of false price reporting that are alleged in the September 25, 2006 Second Superseding Indictment in Criminal No. H-04-512-SS (“*Second Superseding Indictment*”). These instances are summarized in Table 1 by Index Publisher, location, and month. At the request of the Government, I also examine several other instances of alleged false price reporting that are within the timeframe of the *Second Superseding Indictment*. These other instances are summarized in Table 2 by Index Publisher, location, and month.

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<sup>1</sup> In addition, it is my understanding that the Government has provided to Defense counsel charts that I prepared in the matters of United States of America vs. Todd Geiger [Criminal Action No. H-02-172] and United States vs. Jerry Alfred Futch Jr. [Criminal Action No. H-04-511]

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**Table 1**  
**List of Locations and Months**

<u>Publication</u>	<u>Location</u>	<u>Months</u>
Inside FERC	ANR Louisiana	May-00, Jun-00, Nov-00, Feb-02
Inside FERC	ANR Oklahoma	May-00, Jun-00, Nov-00, Dec-00, Jan-01, Feb-02
Inside FERC	CNG Transmission Appalachia	May-00, Jun-00, Nov-00, Dec-00, Jan-01
Inside FERC	Col Gas Appalachia (W. Va., Ohio, Ky.)	May-00, Jun-00, Nov-00, Dec-00, Jan-01
Inside FERC	Columbia Gulf Louisiana	May-00, Jun-00, Dec-00
Inside FERC	Northern Natural Gas Demarcation	May-00, Jun-00, Jan-01
Inside FERC	Texas Eastern Transmission, East Louisiana Zone	May-00, Jun-00, Nov-00, Dec-00, Jan-01
Inside FERC	El Paso Natural Gas Co., Permian Basin	May-00, Jun-00, Dec-00
Inside FERC	El Paso Natural Gas Co., San Juan Basin	May-00, Jun-00, Dec-00
Inside FERC	Henry Hub	May-00, Jun-00, Nov-00, Dec-00
Inside FERC	Katy	May-00, Jun-00, Nov-00, Dec-00, Oct-01, Mar-02, Apr-02, May-02
Inside FERC	Natural Gas Pipeline, Louisiana Zone	May-00, Jun-00, Nov-00, Dec-00, Jan-01, Feb-02
Inside FERC	Natural Gas Pipeline, Mid-Continent Zone	May-00, Jun-00, Nov-00, Dec-00, Jan-01, Feb-02
Inside FERC	Reliant, East	May-00, Jun-00, Nov-00, Dec-00
Inside FERC	Oneok Gas Transportation, Oklahoma	May-00, Jun-00, Nov-00, Dec-00, Feb-02
Inside FERC	Panhandle, Texas, Oklahoma (Mainline)	May-00, Jun-00, Nov-00, Dec-00, Jan-01, Feb-02
Inside FERC	Houston Ship Channel	May-00, Jun-00, Nov-00, Dec-00, Jan-01, Feb-01, Mar-01, Oct-01, Mar-02, Apr-02, May-02
Inside FERC	Southern California Gas Co.	May-00, Jun-00, Dec-00
Inside FERC	Texas Eastern Zone M-3	May-00, Jun-00, Nov-00, Dec-00, Jan-01
Inside FERC	Texas Gas, Zone SL	May-00, Jun-00, Jan-01
Inside FERC	Transcontinental, Zone 3 (pooling points)	May-00, Jun-00, Jan-01
Inside FERC	Transco Zone 6	May-00, Jun-00, Nov-00, Dec-00, Jan-01
Inside FERC	Trunkline, Louisiana	May-00, Jun-00, Nov-00, Feb-02
Inside FERC	Natural Gas Pipeline, Texok Zone	May-00, Jun-00, Dec-00, Jan-01, Feb-02
Inside FERC	Northern Natural Gas, Ventura, Iowa	May-00, Jun-00, Jan-01
Inside FERC	Waha	May-00, Jun-00, Nov-00, Dec-00, Jan-01, Feb-01, Mar-01, Oct-01, Mar-02, Apr-02, May-02
Inside FERC	Tennessee, Texas (Zone 0)	Jun-00
Inside FERC	Southern Natural Gas, Louisiana	Nov-00, Jan-01
Inside FERC	Texas Eastern Transmission, West Louisiana Zone	Nov-00, Dec-00
Inside FERC	Texas Eastern Transmission, East Texas Zone	Dec-00
Inside FERC	Tennessee, La. & Offshore (Zone 1)	Dec-00
Inside FERC	Texas Gas, Zone 1	Dec-00
Inside FERC	Chicago Citygate	Dec-00, Jan-01, Feb-02
Inside FERC	Southern Michigan Citygate	Dec-00, Jan-01, Feb-02
Inside FERC	EPGT Texas Pipeline, Texas	Oct-01, Mar-02, Apr-02, May-02
Inside FERC	Natural Gas Pipeline, South Texas Zone	Mar-02, Apr-02, May-02
Inside FERC	Trunkline, Texas	Mar-02, Apr-02, May-02
Natural Gas Intelligence	Southern Cal. Border Avg.	Dec-00
Natural Gas Intelligence	El Paso non-Bonded	Dec-00
Natural Gas Intelligence	El Paso Permian	Dec-00
Natural Gas Intelligence	PG&E Citygate	Dec-00
Natural Gas Intelligence	Chicago Citygate	Dec-00, Jan-01
Natural Gas Intelligence	Michigan Consolidated	Dec-00, Jan-01
Natural Gas Intelligence	Consumers Power	Dec-00, Jan-01
Natural Gas Intelligence	ANR SW	Dec-00, Jan-01
Natural Gas Intelligence	Panhandle Eastern	Dec-00, Jan-01
Natural Gas Intelligence	NGPL Midcontinent	Dec-00, Jan-01
Natural Gas Intelligence	OGT	Dec-00
Natural Gas Intelligence	Reliant East (NorAm)	Dec-00
Natural Gas Intelligence	NGPL TexOk	Dec-00, Jan-01
Natural Gas Intelligence	NGPL LA	Dec-00, Jan-01
Natural Gas Intelligence	Northern Natural Ventura	Jan-01
Natural Gas Intelligence	Northern Natural Demarc	Jan-01

**Table 2**  
**List of Locations and Months**

<u>Publication</u>	<u>Location</u>	<u>Months</u>
Inside FERC	Columbia Gulf Louisiana	Jul-00, Sep-00, Mar-01, Jul-01
Inside FERC	Henry Hub	Jul-00, Sep-00, Mar-01, Jul-01
Inside FERC	Houston Ship Channel	Jul-00, Sep-00, Sep-00, Apr-01, May-01, Jun-01, Jul-01, Aug-01, Sep-01
Inside FERC	Katy	Jul-00, Aug-00, Sep-00, Apr-01, May-01, Jun-01, Jul-01, Aug-01, Sep-01
Inside FERC	EPGT Texas Pipeline, Texas	Jun-01, Jul-01, Aug-01, Sep-01
Inside FERC	Southern Natural Gas, Louisiana	Mar-01
Inside FERC	Tennessee, La. & Offshore (Zone 1)	Jul-00, Sep-00, Jul-01
Inside FERC	Tennessee, Texas (Zone 0)	Sep-00
Inside FERC	Texas Eastern Transmission, East Louisiana Zone	Jul-00, Sep-00, Mar-01
Inside FERC	Texas Eastern Transmission, South Texas Zone	Sep-00
Inside FERC	Texas Eastern Transmission, West Louisiana Zone	Jul-01
Inside FERC	Transcontinental, Zone 3 (pooling points)	Jul-00, Sep-00
Inside FERC	Waha	Jul-00, Aug-00, Sep-00, May-01, Aug-01, Sep-01

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### III. ANALYSIS

6. I use transaction data that the Government obtained from five major voice brokers: Amerex, ICAP, Prebon, TFS, and Tullet. In addition, transaction data has been obtained by the Government for two electronic trading platforms, Enron Online and Dynegy Direct.<sup>2</sup>
7. Attachment 1 summarizes the quantity information from the above transaction data sets. Each column in Attachment 1 corresponds to one instance of alleged false price reporting since it represents a unique combination of month, Index Publisher, and location. For example, the first column of page 1 of Attachment 1 relates to the May 2000 *Inside FERC* ANR Louisiana index price. Each row in Attachment 1 corresponds to a specific market participant who was engaged in physical and/or financial natural gas trades that appear in one or more of the above-mentioned databases.<sup>3</sup> The quantity reported for a given market participant in a given month represents that market participant's net quantity position (across the five voice broker and two electronic trading platform databases) relative to that index price. For example, page 1 of Attachment 1 reports that market participant Conagra had a net quantity position of 155,000 Dth in the May 2000 *Inside FERC* index for El Paso Natural Gas Co, San Juan.
8. In addition to the voice broker and electronic trading platform data referenced above, I also use transaction data that the Government obtained from

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<sup>2</sup> I did not analyze data from two other voice brokers, Choice Energy and NatSource, as I only had very limited data sets for them at a few locations. Note that my analysis in the prior proceeding [Criminal No. H-04-514-SS and Criminal No. H-06-80] did not include the Dynegy Direct transaction data.

<sup>3</sup> I consolidated affiliates and subsidiaries of market participants taking into account mergers or acquisitions that occurred prior to May 2002. In order to make the analysis possible, I assumed these corporate relationships were in place throughout the entire analysis period. Note that my analysis in the prior proceeding [Criminal No. H-04-514-SS and Criminal No. H-06-80] took into account mergers and acquisitions that occurred prior to June 2001 to correspond with the relevant timeframe in that proceeding.

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approximately 20 market participants.<sup>4,5</sup> Attachment 2 summarizes the quantity information from these market participants; many of them are local distribution companies (“LDCs”) that deliver natural gas to residential, commercial, industrial and electricity generator customers connected to their distribution systems. For any given index price (i.e., month, Index Publisher and location combination), the quantity reported for a market participant represents that participant’s complete transaction data set.

9. Attachment 3 reports the change in the Index Publisher’s volume weighted average price resulting from three false price reports that Defendants are alleged to have sent or caused to be sent. I adjust the active area of the Index Publisher’s spreadsheet to compute a volume weighted average that corrects for the Defendants’ alleged false reports by (i) removing the trades that have been identified as fictitious trades (i.e., trades that did not occur as described), and (ii) adding in real unreported and misreported baseload, fixed price trades by El Paso Merchant that have been provided to me by the Government and that I also understand are contained in an El Paso spreadsheet named “US\_Attny\_All\_Deals\_Phys\_Deals\_Subset\_20040130.xls”. At this time, I have been provided with information regarding fictitious trades and real unreported and misreported trades for three of the alleged false reports listed in Tables 1 and 2. To the extent that witnesses at trial provide testimony regarding fictitious trades or real unreported or misreported baseload, fixed price trades by El Paso

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<sup>4</sup> These market participants include: Alliant, Ameren, Baltimore Gas and Electric, Cinergy, Duke, Keyspan, Long Island Lighting Company, Long Island Power Authority, MidAmerican, Midwest, National Fuel, New Jersey Natural Gas, Niagara Mohawk, Peoples Natural Gas, Pacific Gas and Electric, San Diego Gas and Electric, Sempra Energy Trading, Southern California Gas Company, Wisconsin Electric and Wisconsin Gas. Specific months, locations and Index Publishers covered vary by market participant. There are some locations and Index Publishers in Tables 1 and 2 that are not covered in any market participant’s data. These locations and Index Publishers are omitted from Attachment 2.

<sup>5</sup> I did not analyze data from the following market participants for a variety of reasons, including time constraints, data lying outside the relevant time period and data not clearly labeled: Consolidated Edison, Dominion East Ohio, Dynegy, Michigan Consolidated, Mirant, and Sempra Energy Solutions.

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Merchant for additional reports, I will provide the same analysis as described in this and subsequent paragraphs for these additional reports.<sup>6</sup>

10. In Attachment 4, I combine the net quantity data in Attachment 1 (the voice broker and electronic trading platform data) with the change in the Index Publisher's volume weighted average price in Attachment 3 to calculate each market participant's net loss for the three alleged instances of false reporting for which I have data (by month/location/Index Publisher). The figures in Attachment 4 are basically the product of the net quantity figures and the change in the volume weighted average price.
11. In Attachment 5, I combine the net quantity data in Attachment 2 (the market participant data) with the change in the Index Publisher's volume weighted average price in Attachment 3 to calculate each market participant's net loss for the three alleged instances of false reporting for which I have data (by month/location/Index Publisher). The figures in Attachment 5 are basically the product of the net quantity figures and the change in the volume weighted average price.

#### IV. CONCLUSION

12. In my opinion, the change in the volume weighted average price (as calculated in an Index Publisher's spreadsheet) that results from removing false trade reports represents a reasonable measure of the effect of that false trade reporting on the Index Publisher's index price. I am able to compute losses associated with the alleged false trade reporting when I apply the change in the volume weighted average price to the transaction data available to me.

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<sup>6</sup> At the request of the Government, I previously prepared tables that report the change in the Index Publisher's volume weighted average price for many of the instances in Tables 1 and 2 based on the assumptions that all El Paso Merchant reports were fictitious and that there were no real unreported and misreported baseload, fixed price trades by El Paso Merchant.

**ATTACHMENT 1**

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ATTACHMENT 1

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Net Volume Calculations (in Dth)  
 James Brooks  
 Inside FERC  
 May-00

Market Participant	ANR Louisiana	ANR Oklahoma	CNG Transmission Appalachia	Col Gas Appalachia (W. Va., Ohio, Ky.)	Columbia Gulf Louisiana	Northern Natural Gas, Demarcation	Texas Eastern Transmission, East Louisiana Zone	El Paso Natural Gas Co., Permian Basin	El Paso Natural Gas Co., San Juan Basin	Henry Hub	Katy	Natural Gas Pipeline, Louisiana Zone	Natural Gas Pipeline, Mid-Continent Zone	Oneok Gas Transportation, Reliant, East Oklahoma			
Adams Resources	-	-	-	(272,490)	7,585,000	2,511,000	-	3,410,000	(155,000)	(930,000)	(1,860,000)	-	7,037,000	310,000			
AEP	930,000	-	254,098	310,000	(5,260,000)	-	-	-	(155,000)	-	(1,705,000)	-	310,000	-			
Amerada Hess	-	-	-	-	-	-	-	-	(155,000)	-	-	-	(155,000)	-			
American Central	-	-	-	-	-	-	-	-	-	-	-	-	-	465,000			
Anadarko	620,000	(155,000)	-	(115,010)	2,945,000	155,000	-	-	-	-	-	-	-	-			
Ashland	-	-	-	(310,000)	620,000	-	-	-	-	-	620,000	-	-	155,000			
Avista	-	-	-	(310,000)	620,000	-	-	-	-	-	-	-	-	-			
Axel Johnson	(355,000)	-	(155,000)	(310,000)	(775,000)	-	(620,000)	-	-	-	-	-	-	-			
Bank of America	(1,085,000)	620,000	(310,000)	775,000	930,000	-	-	1,085,000	(77,500)	310,000	-	-	-	-			
Bank of Montreal	-	310,000	-	-	-	(310,000)	-	(155,000)	(155,000)	-	-	-	155,000	-			
Bank One	-	-	-	-	-	-	-	62,000	256,402	-	-	-	-	-			
Black Hills	-	-	-	-	-	-	-	-	(155,000)	-	-	-	(682,000)	-			
BNP Paribas	-	-	-	-	-	-	-	-	155,000	232,500	-	-	(155,000)	-			
BP Amoco	(3,720,000)	(155,000)	1,085,000	1,240,000	-	465,000	(310,000)	(620,000)	310,000	(4,495,000)	-	3,255,000	1,705,000	310,000			
Bridgeline	(620,000)	-	-	310,000	-	(620,000)	-	-	50,820	1,860,000	-	310,000	(465,000)	-			
Carlill	(310,000)	-	-	-	-	-	-	-	-	-	-	-	-	-			
Castle Power	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Chevron-Texaco	(513,000)	155,000	(310,000)	(3,410,000)	(155,000)	-	-	465,000	(625,000)	1,085,000	465,000	-	775,000	(155,000)	465,000		
CIBC	-	(310,000)	-	-	-	-	-	155,000	-	-	-	-	-	-	-		
Cinergy	-	(310,000)	-	620,000	-	-	-	(620,000)	(1,085,000)	(2,015,000)	-	(310,000)	-	(155,000)			
Citigroup	-	-	-	310,000	-	-	-	-	(310,000)	-	-	-	-	-	-		
CMS	-	-	96,410	150,350	-	-	-	155,000	-	1,550,000	-	-	-	-	-		
Colonial	-	-	-	155,000	-	-	-	-	-	-	-	-	-	-	-		
ConAgra	-	-	-	-	-	-	-	-	155,000	-	-	-	-	-	-		
Conoco Phillips	310,000	-	-	(155,000)	-	-	-	-	1,395,000	-	-	-	310,000	-	-		
Constellation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Cook Inlet	-	-	-	-	(465,000)	-	-	-	(620,000)	(310,000)	-	-	(155,000)	-	-		
CornerStone Propane	310,000	(155,000)	-	-	-	155,000	-	-	-	(620,000)	-	-	-	-	-		
Deutsche Bank	(620,000)	310,000	-	-	-	-	-	(1,040,383)	775,000	-	155,000	-	620,000	930,000	-		
Dominion	-	-	93,000	620,000	(310,000)	-	-	-	310,000	-	(310,000)	-	-	-	-		
DTE Energy	(465,000)	-	-	(600,000)	-	-	-	-	-	-	-	-	-	-	-		
Duke	12,361,000	-	(155,000)	(1,085,000)	(2,170,000)	2,325,000	930,000	(4,030,000)	(930,000)	8,900,000	-	558,000	5,580,000	-	-		
Dynegy	(620,000)	(775,000)	(3,565,000)	3,875,000	465,000	465,000	(465,000)	(155,000)	(310,000)	-	(310,000)	1,550,000	(465,000)	155,000	-		
El Paso	(7,285,000)	(1,106,598)	465,000	(3,875,000)	(10,019,200)	8,999,651	(5,890,000)	14,570,000	(20,010,000)	26,115,000	-	(11,625,000)	(2,015,000)	(620,000)	(155,000)		
Exco	-	930,000	108,500	310,000	-	-	-	-	155,000	-	-	-	-	-	-		
Engage	-	310,000	-	-	-	620,000	-	-	-	(1,240,000)	-	-	(620,000)	-	-		
Euros	(7,719,000)	2,864,772	4,030,000	(23,653,000)	775,000	(20,274,000)	(930,000)	930,000	29,574,000	(22,475,000)	155,000	11,470,000	31,000	(2,945,000)	-		
Energy Koch	(155,000)	155,000	-	(77,500)	2,480,000	-	-	-	-	(465,000)	-	-	(1,085,000)	(310,000)	-		
Equitable	-	-	155,000	-	-	-	-	-	-	-	-	-	-	-	-		
First Energy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
H&S Energy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Idacorp	-	-	-	155,000	-	-	-	-	-	-	-	-	-	-	-		
J Aron	-	-	-	-	-	-	-	-	(1,120,320)	-	-	-	(155,000)	-	-		
JP Morgan Chase	77,500	465,000	-	-	(2,712,500)	(155,000)	(155,000)	(155,000)	-	-	-	(310,000)	-	-	-		
Kerr McGee	-	-	-	-	-	-	-	-	(1,240,000)	-	-	-	1,240,000	-	-		
Kinder Morgan	-	155,000	-	-	-	387,500	(155,000)	(930,000)	310,000	310,000	620,000	(465,000)	(155,000)	(310,000)	(465,000)		
Marathon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MidAmerican	-	80,228	-	-	-	620,000	-	-	-	-	-	-	-	-	-		
Mieco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Miran	(1,860,000)	465,000	155,000	5,580,000	3,487,500	(310,000)	465,000	2,188,809	521,605	(10,485,000)	(3,255,000)	(1,705,000)	(3,100,000)	93,000	620,000		
Morgan Stanley	-	-	-	1,193,500	155,000	-	-	-	155,000	930,000	(465,000)	155,000	-	(155,000)	-		
NGTS	-	-	-	-	-	(496,000)	-	(1,488,000)	-	-	-	-	-	-	-		
Nicor	-	-	-	-	-	-	-	-	-	-	-	-	310,000	-	-		
NI Source	(310,000)	-	310,000	2,325,000	(1,550,000)	-	(465,000)	-	-	1,550,000	-	(465,000)	-	-	-		
NIE Energy	-	-	310,000	(155,000)	-	-	-	-	-	-	-	-	-	-	-		
Noelle	-	-	-	-	-	-	-	-	-	(1,550,000)	-	-	-	-	-		
NUI	-	-	-	155,000	-	-	-	-	-	-	-	-	-	-	-		
Occidental	-	-	-	-	465,000	(2,325,000)	-	-	-	-	-	-	(2,015,000)	-	-		
OGE	(465,000)	310,000	-	-	-	155,000	-	(3,410,000)	-	-	-	-	(930,000)	(993,525)	(310,000)		
Oneok	310,000	-	-	-	-	-	-	(1,860,000)	-	1,550,000	-	-	1,085,000	-	-		
Pepco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
PG&E	124,000	(310,000)	620,000	201,500	409,200	-	465,000	(465,000)	(607,507)	155,000	-	(310,000)	(620,000)	310,000	465,000		
Pioneer	-	-	-	-	-	-	-	-	-	-	-	-	(155,000)	-	-		
Powergen	-	-	-	-	-	-	-	-	(465,000)	-	-	-	310,000	-	-		
PPL	-	-	-	-	-	124,000	-	-	310,000	-	-	-	-	-	-		
PSEG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Reliant	3,658,000	(387,500)	496,000	1,085,000	1,860,000	2,015,000	3,875,000	1,860,000	(465,000)	100,000	-	(4,898,000)	(930,000)	(494,475)	-		
Richardson	-	-	-	-	-	-	-	(775,000)	-	-	-	-	-	-	-		
SemGroup	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Sempra	1,860,000	(1,395,000)	-	-	5,580,000	620,000	(1,860,000)	155,000	(1,528,641)	(7,905,000)	(310,000)	310,000	(155,000)	(465,000)	435,000		
Shell	1,472,500	2,015,000	-	3,301,500	465,000	(465,000)	775,000	(4,495,000)	155,000	-	1,178,000	465,000	1,860,000	-	-		
Southwest Energy	-	-	-	-	-	-	-	-	-	-	-	-	(1,240,000)	-	-		
Southwestern	-	-	155,000	-	-	-	-	-	-	-	-	-	-	-	-		
Stalwart	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Tenaska	-	(310,000)	-	-	-	(799,500)	-	(1,085,000)	-	-	-	-	775,000	1,240,000	155,000		
Torch	(31,000)	-	-	155,000	-	310,000	-	-	-	-	-	155,000	-	-	-		
Tractebel	-	-	-	(465,000)	-	-	-	775,000	(310,000)	465,000	-	-	-	-	-		
Transalta	-	-	-	(310,000)	-	-	-	-	-	-	-	-	-	-	-		
Transcanada	-	(1,550,000)	(1,860,000)	-	-	-	3,410,000	-	-	-	-	-	(465,000)	-	-		
TXU	2,480,000	(775,000)	1,019,590	(155,000)	196,602	775,000	(155,000)	(310,000)	(1,085,000)	2,635,000	-	-	-	620,000	1,085,000	(1,860,000)	
Unocal	1,550,000	(155,000)	(1,550,000)	1,492,650	(1,746,602)	3,037,349	1,860,000	558,000	(697,500)	(2,480,000)	-	1,085,000	-	-	-	775,000	
Utilicorp	(1,240,000)	(155,000)	(1,550,000)	-	-	(155,000)	-	(1,550,000)	(465,000)	(310,000)	(155,000)	-	(5,890,000)	-	-	-	
Walter Oil & Gas	-	(310,000)	-	310,000	-	-	-	(675,000)	-	-	-	-	620,000	(465,000)	-	-	
WGR	-	(310,000)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Williams	310,000	-	(1,705,000)	1,705,000	-	465,000	-	-	775,000	(641,359)	(310,000)	-	(310,000)	-	155,000	-	-
WPS Resources	(310,000)	-	-	310,000	-	-	-	155,000	-	(310,000)	310,000	-	2,170,000	-	-	(435,000)	-
Xcel	-	(155,000)	-	-	-	-	-	-	-	(310,000)	-	-	-	(124,000)	620,000	-	-

HIGHLY CONFIDENTIAL

## ATTACHMENT 1

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### Net Volume Calculations (in Dth)

James Brooks  
*Inside FERC*  
May 2000

HIGHLY CONFIDENTIAL

ATTACHMENT 1

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## Net Volume Calculations (in Dth)

James Brooks  
Inside FERC  
Jun-00

Market Participant	CNG		Col Gas		Columbia Gulf	Northern Natural Gas, Demarcation	El Paso Natural Gas Co, Permian Basin	El Paso Natural Gas Co, San Juan Basin	Texas Eastern Transmission, East		Natural Gas Pipeline, Louisiana Zone	Natural Gas Pipeline, Mid-Continent Zone	Oneok Gas Transportation, Reliant, East							
	ANR Louisiana	ANR Oklahoma	Transmission Appalachia	Appalachia (W. Va., Ohio, Ky.)					Louisiana	Henry Hub	Katy									
Adams Resources	(499,500)	-	-	-	(300,000)	-	-	-	750,000	(300,000)	(300,000)	-	-							
AEP	(6,705,000)	-	450,000	2,550,000	4,350,000	(300,000)	(150,000)	900,000	(60,030)	9,150,000	-	(3,240,000)	(2,400,000)							
Amerada Hess	-	245,902	150,000	(5,250,000)	450,000	-	(150,000)	-	(150,000)	(1,650,000)	-	300,000	-							
American Central	-	600,000	-	-	-	-	(150,000)	-	-	-	-	(150,000)	150,000							
Anadarko	300,000	150,000	-	(150,000)	-	(300,000)	300,000	-	(600,000)	-	-	(300,000)	-							
Ashland	150,000	-	(300,000)	600,000	-	-	-	-	-	450,000	-	-	150,000							
Avista	-	-	-	-	300,000	-	-	-	1,050,000	(5,250,000)	-	-	-							
Axel Johnson	990,000	-	(150,000)	900,000	-	-	-	-	-	-	-	-	-							
Bank of America	(750,000)	1,350,000	-	1,575,000	900,000	-	1,350,000	375,000	300,000	-	-	(600,000)	-							
Bank of Montreal	-	450,000	-	-	-	(900,000)	(80,000)	(300,000)	(150,000)	-	-	257,843	-							
Bank One	-	-	-	-	-	-	60,000	245,131	-	-	-	-	-							
Black Hills	-	-	-	-	-	-	-	750,000	-	-	-	(450,000)	(150,000)							
BNP Paribas	-	(150,000)	-	(300,000)	-	-	150,000	225,000	-	-	-	-	-							
BP Amoco	(2,445,000)	1,650,000	300,000	4,251,000	-	-	(3,600,000)	1,500,000	(900,000)	(2,550,000)	2,550,000	1,935,000	(450,000)							
Bridgeline	(600,000)	-	-	450,000	300,000	-	(450,000)	39,216	-	2,100,000	300,000	(600,000)	-							
Cargill	-	(600,000)	-	-	-	-	-	-	-	-	-	-	-							
Castle Power	-	-	-	-	-	-	-	-	-	-	-	-	-							
Chevron-Texaco	(1,380,000)	150,000	(150,000)	(2,250,000)	(1,582,050)	-	1,050,000	(1,200,000)	180,000	(1,620,000)	-	150,000	(150,000)	150,000						
CIBC	-	(300,000)	-	-	-	-	150,000	-	-	-	-	-	-	-						
Cinergy	-	(300,000)	-	600,000	-	-	(450,000)	-	-	(1,500,000)	-	-	(150,000)	-						
Citigroup	-	-	-	-	-	-	300,000	300,000	-	-	-	-	-	-						
CLECO	750,000	-	-	-	900,000	-	1,050,000	-	300,000	600,000	300,000	-	-	-						
CMS	300,000	-	-	(480,000)	(300,000)	-	-	-	-	-	-	(150,000)	-	-						
Colonial	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
ConAgra	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Conoco Phillips	(300,000)	-	-	(300,000)	-	-	-	2,149,020	-	-	300,000	-	-	-						
Constellation	-	-	-	-	-	-	-	-	300,000	-	-	-	-	-						
Cook Inlet	-	300,000	-	-	-	-	150,000	150,000	(600,000)	300,000	-	-	-	-						
CornerStone Propane	300,000	-	-	-	-	-	150,000	-	300,000	-	-	-	-	-						
Deutsche Bank	-	-	-	120,000	-	-	(1,756,822)	(1,125,000)	-	-	150,000	1,050,000	900,000	-						
Dominion	-	(150,000)	-	960,000	1,300,000	-	-	-	300,000	-	(300,000)	-	-	-						
DTE Energy	-	(450,000)	-	-	(801,000)	-	-	-	-	-	-	-	-	-						
Duke	17,190,000	(750,000)	(150,000)	(150,000)	(3,150,000)	4,200,000	(1,200,000)	(555,000)	(600,000)	(600,000)	(1,350,000)	1,950,000	300,000	561,570						
Dynegy	(2,100,000)	(150,000)	(2,700,000)	(750,000)	1,950,000	(450,000)	600,000	450,000	(300,000)	3,750,000	(1,050,000)	1,200,000	300,000	150,000						
El Paso	(4,630,000)	(558,322)	1,650,000	(5,400,000)	(7,050,000)	11,190,000	10,380,000	(44,520,000)	(6,300,000)	2,400,000	-	75,000	1,172,010	(120,000)	(600,000)					
Encana	-	(150,000)	(270,000)	-	-	-	600,000	-	-	-	-	-	-	-						
Encina	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Engage	300,000	-	300,000	-	-	-	-	-	600,000	(750,000)	-	(600,000)	-	-						
Enron	(7,578,000)	2,400,000	1,950,000	4,650,000	6,300,000	(20,550,000)	750,000	48,270,000	(3,600,000)	10,200,000	450,000	6,450,000	6,330,000	(2,700,000)	-					
Kerr McGee	(150,000)	-	300,000	(1,845,000)	600,000	450,000	634,426	4,500,000	(300,000)	(4,650,000)	300,000	(1,220,010)	(300,000)	-	-					
Kinder Morgan	-	(450,000)	-	-	1,500,000	-	-	-	-	-	-	-	-	-						
Koch	-	-	-	-	-	-	-	750,000	-	-	-	-	-	-						
Marathon	-	-	-	(9,000,000)	-	-	-	(150,000)	-	-	-	-	(300,000)	(540,000)						
MidAmerican	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Midwest	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Mieco	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Miran	(150,000)	(362,580)	(450,000)	1,605,000	300,000	(900,000)	3,522,396	533,279	1,050,000	(7,950,000)	(2,550,000)	(600,000)	(1,809,804)	90,270	390,000					
Morgan Stanley	-	-	-	600,000	150,000	-	750,000	900,000	-	-	-	(150,000)	(150,000)	-	-					
NGTS	-	-	-	-	-	(300,000)	-	600,000	-	-	-	-	-	-	-					
Nico	-	-	-	-	-	-	-	-	-	-	-	600,000	-	-	-					
NiSource	(222,000)	-	-	1,800,000	(1,500,000)	-	-	-	(300,000)	1,500,000	-	(150,000)	-	-	-					
NJR Energy	-	450,000	(900,000)	-	-	-	-	-	-	-	-	-	-	-	-					
Noble	(750,000)	-	-	(1,800,000)	-	-	-	-	(1,950,000)	-	-	-	-	-	-					
NUI	-	-	(150,000)	-	-	-	-	-	-	-	-	-	-	-	-					
Occidental	-	-	-	450,000	(1,800,000)	-	-	-	-	-	(225,000)	(3,000,000)	-	-	-					
OGC	(300,000)	300,000	-	-	-	(450,000)	-	-	-	-	-	(600,000)	(600,000)	-	-					
Oneok	-	(300,000)	-	-	-	-	900,000	450,000	-	-	(600,000)	-	750,000	-	-					
Pepco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
PG&E	300,000	(300,000)	600,000	450,000	300,000	300,000	(1,500,000)	(1,787,910)	450,000	-	(300,000)	(150,000)	-	600,000	-	-				
Pinnacle West	-	-	-	-	-	-	-	150,000	-	-	-	-	-	(150,000)	-	-				
Pioneer	-	-	-	-	-	-	-	-	-	-	-	-	-	(150,000)	-	-				
Powergen	-	-	-	-	-	-	(450,000)	-	-	-	-	-	-	-	-	-				
PPL	-	-	-	150,000	-	-	-	-	180,030	-	-	-	-	-	-	-	-			
PSEG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Reliant	4,549,500	(375,000)	630,000	1,800,000	(300,000)	1,650,000	1,350,000	1,350,000	2,442,900	1,620,000	-	(5,550,000)	(590,196)	480,000	-	-	-			
Richardson	-	-	-	-	-	-	750,000	-	-	-	-	-	-	-	-	-	-			
SemGroup	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Sempra	600,000	(1,050,000)	(228,000)	150,000	-	(750,000)	3,150,000	1,950,000	(2,100,000)	(12,300,000)	(300,000)	300,000	900,000	(300,000)	570,000	-	-	-		
Shell	2,025,000	600,000	(300,000)	1,695,000	150,000	(150,000)	(2,550,000)	(7,050,000)	(300,000)	(1,650,000)	-	1,440,000	(1,658,843)	900,000	(261,570)	-	-	-		
Southwest Energy	-	-	-	-	-	-	-	-	-	-	-	-	-	(1,200,000)	-	-	-			
Statoil	-	-	-	-	-	-	-	-	-	-	-	-	150,000	-	-	-	-			
Tennaska	-	(450,000)	-	-	-	(465,000)	-	-	-	-	-	-	-	975,000	750,000	450,000	-	-		
Torch	(150,000)	-	-	150,000	-	300,000	(150,000)	(1,200,000)	-	(450,000)	-	-	-	150,000	-	-	-	-		
Tractebel	-	-	-	(450,000)	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Transalta	-	-	(450,000)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Transcanada	-	(900,000)	(1,950,000)	-	-	4,350,000	-	-	-	-	-	-	(750,000)	-	-	-	-	-	-	
TXU	1,800,000	(900,000)	(252,000)	8,790,000	300,000	1,200,000	(300,000)	(855,500)	300,000	2,700,000	300,000	2,250,000	1,059,000	1,050,000	(1,950,000)	-	-	-	-	
Unocal	1,500,000	-	(810,000)	(4,950,000)	(517,950)	1,200,000	(10,260,000)	(1,350,000)	10,007,100	900,000	(300,000)	(600,000)	(2,700,000)	150,000	150,000	750,000	-	-	-	-
Utilicorp	(3,000,000)	-	-	-	(150,000)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Walter Oil & Gas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WGR	-	(150,000)	-	60,000	-	-	(1,800,000)	(195,000)	-	300,000	(150,000)	-	600,000	(450,000)	-	-	-	-	-	-
Williams	900,000	-	(150,000)	450,000	-	600,000	150,000	(2,749,020)	-	1,200,000	-	1,200,000	-	450,000	-	150,000	-	-	-	-
WPS Resources	300,000	(300,000)	-	300,000	-	-	600,000	450,0												

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### Net Volume Calculations (in Dth)

James Brooks  
*Inside FERC*

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## Net Volume Calculations (in Dth)

Bill Ham  
 Inside FERC  
 Nov-00

Market Participant	CNG			
	Col Gas Appalachia (W. Va., Ohio, Ky.)	Transmission Appalachia	Texas Eastern Zone M-3	Transco Zone 6
Adams Resources	-	-	-	450,000
AEP	8,381,010	1,765,320	(375,000)	15,535,000
Amerada Hess	(1,200,000)	-	(300,000)	495,000
Anadarko	(150,000)	-	-	255,000
Ashland	(400,685)	150,000	-	-
Avista	(150,000)	-	-	300,000
Axel Johnson	-	(150,000)	(150,000)	(150,000)
Bank of America	150,000	(150,000)	-	-
Bank of Montreal	(360,000)	240,000	-	-
BNP Paribas	(720,000)	-	450,000	(2,250,000)
BP Amoco	3,090,000	(2,007,090)	(450,000)	(750,000)
Calpine	-	-	(150,000)	(150,000)
Cargill	1,050,000	-	-	-
Castle Power	-	-	-	360,000
Chevron-Texaco	801,000	1,950,000	225,000	405,000
Cinergy	150,000	-	-	-
Citigroup	300,000	-	-	(900,000)
CMS	(2,541,000)	159,090	300,000	-
Conoco Phillips	(240,000)	-	-	-
Deutsche Bank	75,000	-	-	300,000
Dominion	600,000	(675,000)	150,000	(1,710,000)
DTE Energy	(270,000)	-	-	-
Duke	3,090,000	1,500,000	2,199,338	(12,445,000)
Dynegy	(900,000)	1,050,000	2,250,000	2,505,000
El Paso	(4,108,315)	(8,250,000)	(2,773,740)	(1,470,000)
Encana	(150,000)	1,201,380	270,000	-
Enron	(11,301,000)	525,000	(3,300,000)	5,850,000
Entergy Koch	(1,800,000)	(300,000)	(1,359,338)	2,250,000
Equitable	1,950,000	-	495,000	-
First Energy	(330,000)	-	-	-
IGS	(150,000)	-	-	-
J Aron	-	(300,000)	(1,350,000)	3,525,000
JP Morgan Chase	(300,000)	-	-	-
Kinder Morgan	(300,000)	-	-	-
Marathon	-	-	-	150,000
Mieco	(300,000)	-	600,000	(1,050,000)
Mirant	(1,200,000)	1,860,000	2,294,670	(9,760,000)
Morgan Stanley	600,000	300,000	150,000	450,000
NiSource	(450,000)	1,098,000	1,154,070	1,430,000
NJR Energy	300,000	450,000	(900,000)	900,000
Noble	(390,000)	150,000	-	-
Northeast Utilities	-	-	(300,000)	(150,000)
NUI	-	300,000	(150,000)	450,000
OGE	(150,000)	-	150,000	-
Pepco	150,000	-	150,000	1,200,000
PG&E	300,000	-	300,000	150,000
PPL	150,000	-	120,000	(90,000)
Proliance	150,000	(75,000)	-	-
PSEG	-	-	-	(150,000)
Reliant	5,550,000	(750,000)	165,000	(2,400,000)
Sempra	1,038,990	(450,000)	(315,000)	(60,000)
Shell	(1,350,000)	39,300	60,000	(150,000)
Tractebel	(1,050,000)	-	300,000	(1,345,000)
Transalta	-	-	-	300,000
Transcanada	210,000	-	-	1,050,000
TXU	1,950,000	(75,000)	330,000	1,530,000
Utilicorp	(525,000)	744,000	210,000	(4,950,000)
Williams	600,000	(300,000)	(450,000)	90,000
WPS Resources	150,000	-	-	-

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## Net Volume Calculations (in Dth)

Don Burwell  
Inside FERC  
Nov-00

Market Participant	ANR Louisiana	Trunkline, Louisiana	Natural Gas Pipeline, Louisiana Zone	ANR Oklahoma	Panhandle, Texas, Oklahoma (Mainline)	Natural Gas Pipeline, Mid-Continent Zone	Reliant, East	Oneok Gas Transportation, Oklahoma
Adams Resources	-	(308,040)	(300,000)	-	-	-	-	-
AEP	(6,169,860)	2,100,000	1,200,000	(150,000)	(20,000)	(1,050,000)	-	-
Amerada Hess	-	-	-	245,902	-	300,000	-	-
Anadarko	-	(600,000)	-	(621,750)	(975,000)	-	-	-
Ashland	-	(99,000)	-	-	-	-	-	-
Axel Johnson	600,000	-	-	-	-	-	-	-
Bank of America	(750,000)	-	-	-	1,120,000	-	-	-
Bank of Montreal	-	-	-	150,000	(300,000)	255,738	-	-
Bank One	-	-	-	-	1,899,338	-	-	-
Black Hills	-	-	-	-	-	(1,050,000)	-	-
BNP Paribas	-	-	-	-	770,000	(150,000)	-	-
BP Amoco	840,000	(1,350,000)	-	(228,180)	1,300,331	5,475,000	-	-
Burlington Resources	-	-	-	(150,000)	-	-	-	-
Cargill	-	150,000	-	(750,000)	(825,000)	300,000	-	-
Chevron-Texaco	(310,000)	-	-	(150,000)	-	450,000	300,000	150,000
CIBC	-	300,000	-	-	-	-	-	-
Cinergy	-	-	-	600,000	1,141,000	(1,230,000)	-	150,000
CLECO	300,000	(300,000)	(150,000)	-	-	-	-	-
CMS	1,560,000	3,600,000	7,200,000	835,230	(6,685,230)	8,415,000	-	300,000
Conoco Phillips	(30,000)	(1,200,000)	-	870,000	-	240,000	-	-
Cook Inlet	-	-	(156,660)	(300,000)	(45,660)	-	-	-
CornerStone Propane	150,000	-	-	-	(2,025,000)	-	-	-
Deutsche Bank	-	-	-	900,000	(300,000)	-	750,000	-
DPL Energy	-	-	-	-	(300,000)	-	-	-
Duke	600,000	2,550,000	(3,600,000)	(30,000)	17,242,669	(5,448,738)	300,000	(700,020)
Dynegy	(840,000)	(2,550,000)	900,000	-	(1,800,000)	510,000	900,000	600,000
El Paso	675,000	(1,791,960)	6,750,000	(1,891,132)	(838,852)	3,820,320	(450,000)	(450,000)
Encana	(790,140)	(310,050)	-	(600,000)	(514,770)	-	-	-
Engage	-	(306,900)	-	-	(143,000)	145,200	-	-
Enron	460,290	3,109,050	(13,493,340)	6,921,750	(8,444,340)	(10,350,000)	1,800,000	450,000
Entergy Koch	-	-	-	300,000	298,852	-	-	-
H&S Energy	-	-	-	-	300,000	-	-	-
J Aron	-	(1,500,000)	-	-	300,000	(60,000)	(150,000)	-
JP Morgan Chase	(450,000)	-	1,800,000	300,000	300,000	150,000	-	-
Kerr McGee	-	-	-	-	150,000	-	-	-
Kinder Morgan	-	-	-	-	1,875,000	750,000	-	-
Marathon	-	-	-	-	-	(450,000)	-	(150,000)
Midwest	-	-	-	-	(150,000)	-	-	-
Mirant	(2,685,500)	(1,193,100)	450,000	(900,000)	(2,220,000)	(370,320)	(150,000)	-
Morgan Stanley	-	300,000	-	-	(892,616)	(150,000)	-	-
Nexen	-	-	-	-	-	300,000	-	-
NGTS	-	-	-	-	(600,000)	-	-	-
NiSource	300,000	1,200,000	900,000	-	450,000	154,800	-	-
Occidental	-	-	(900,000)	-	(276,000)	(2,100,000)	-	-
OGE	-	-	-	-	885,000	(1,350,000)	-	450,000
Oneok	300,000	-	900,000	(150,000)	6,215,000	(750,000)	150,000	(1,950,000)
PCS Nitrogen	(300,000)	-	-	-	-	-	-	-
PG&E	-	-	-	(600,000)	900,000	4,200,000	-	-
Reliant	1,650,000	-	450,000	(540,000)	(4,050,000)	(900,000)	(4,050,000)	-
Sempra	3,450,000	-	(2,700,000)	(1,350,000)	3,050,000	(1,200,000)	(900,000)	(529,980)
Shell	600,000	450,000	150,000	450,000	(1,275,000)	-	(300,000)	(300,000)
Southwest Energy	-	-	-	(300,000)	(150,000)	-	-	-
Tenaska	-	-	-	(1,871,820)	(4,000,000)	(1,050,000)	900,000	1,800,000
Terra	-	-	-	-	(600,000)	(300,000)	-	600,000
Torch	(210,000)	(150,000)	-	-	(150,000)	-	-	-
Transcanada	(300,000)	-	-	(150,000)	(2,955,000)	(2,550,000)	-	-
TXU	(1,110,000)	(450,000)	-	100,000	(1,320,000)	600,000	300,000	-
Unocal	3,150,000	(150,000)	(2,700,000)	-	-	-	-	-
Utilicorp	(1,905,000)	(1,500,000)	3,300,000	(1,050,000)	(46,721)	2,943,000	150,000	-
WGR	-	-	-	450,000	1,395,000	750,000	-	-
Williams	-	-	-	(600,000)	2,400,000	600,000	600,000	-
WPS Resources	1,215,210	-	-	(340,000)	(240,000)	-	-	-
Xcel	-	-	-	600,000	150,000	150,000	(150,000)	(420,000)

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**Net Volume Calculations (in Dth)**

**Dallas Dean**  
**Inside FERC**  
**Nov-00**

Market Participant	Henry Hub	Southern Natural Gas, Louisiana	Texas Eastern Transmission, East Louisiana Zone	Texas Eastern Transmission, West Louisiana Zone
Adams Resources	-	(206,400)	(300,000)	-
AEP	871,370	(150,000)	5,400,000	(150,000)
Amerada Hess	300,000	-	-	300,000
Anadarko	-	-	(1,500,000)	(120,000)
Avista	1,200,000	-	-	-
Axel Johnson	-	-	150,000	-
Bank of America	(450,000)	-	-	-
BP Amoco	(5,100,000)	900,000	(300,000)	-
Bridgeline	4,350,000	-	-	-
Cargill	(1,800,000)	-	-	-
Chevron-Texaco	(1,800,000)	357,195	(150,000)	-
Cinergy	(1,650,000)	-	-	-
CLECO	30,000	-	-	-
CMS	(1,050,000)	-	(8,400,000)	-
Cook Inlet	(300,000)	-	-	-
CornerStone Propane	(300,000)	-	(150,000)	(150,000)
Dominion	-	-	(192,000)	-
Duke	-	(300,000)	1,800,000	600,000
Dynegy	(4,500,000)	-	(3,450,000)	600,000
El Paso	5,700,000	3,749,205	9,000,000	(3,600,000)
Encana	(300,000)	150,000	(75,000)	-
Enron	18,325,000	(3,750,000)	(7,050,000)	(600,000)
Entergy Koch	(9,325,000)	-	(1,050,000)	-
J Aron	(151,370)	-	-	-
JP Morgan Chase	-	-	(750,000)	-
Mieco	150,000	-	(300,000)	-
Mirant	8,550,000	-	42,000	750,000
Morgan Stanley	-	1,200,000	-	-
NiSource	(750,000)	-	1,200,000	(150,000)
Noble	(2,400,000)	-	300,000	150,000
Occidental	-	-	(300,000)	-
PCS Nitrogen	(600,000)	-	-	-
PG&E	(1,200,000)	-	-	255,000
Reliant	2,980,435	900,000	525,000	750,000
Sempra	(1,200,000)	(2,400,000)	(750,000)	(300,000)
Shell	(1,050,000)	-	3,150,000	-
Tractebel	(300,000)	-	-	-
TXU	600,000	-	(450,000)	-
Unocal	(5,850,000)	-	1,050,000	1,920,000
Utilicorp	(1,650,000)	(450,000)	2,550,000	(255,000)
Williams	(1,030,435)	-	-	-
Xcel	(300,000)	-	-	-

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**Net Volume Calculations (in Dth)**

**Sharon O' Toole**  
**Inside FERC**  
**Nov-00**

Market Participant	Houston Ship Channel	Katy	Waha
Adams Resources	(600,000)	-	-
AEP	(900,000)	-	-
Bank of America	(798,675)	-	300,000
Bank of Montreal	300,000	-	(250,000)
Bank One	550,000	-	-
BNP Paribas	(2,500,000)	-	-
BP Amoco	1,110,000	-	(9,150,000)
Cargill	295,082	-	-
Chevron-Texaco	(425,389)	-	(1,350,000)
CIBC	-	-	150,000
Cinergy	(600,000)	-	1,350,000
Citigroup	(150,000)	-	-
CLECO	(80,464)	-	-
CMS	600,000	-	300,000
Conoco Phillips	(1,539,041)	-	300,000
Copano	(600,000)	-	-
Deutsche Bank	(2,400,000)	-	1,500,000
Devon Energy	(600,000)	-	-
Duke	(7,501,987)	-	(5,550,000)
Dynegy	(1,800,000)	-	3,300,000
El Paso	24,453,699	-	9,300,000
Encana	-	-	300,000
Engage	750,000	-	-
Enron	(5,019,840)	-	(10,130,000)
Entergy Koch	5,235,000	-	150,000
J Aron	(4,700,000)	-	-
JP Morgan Chase	150,000	-	900,000
Kinder Morgan	731,987	-	750,000
Mirant	(1,360,738)	-	300,000
Morgan Stanley	1,694,359	-	-
NGTS	-	-	150,000
Oneok	1,650,000	(300,000)	300,000
PG&E	(600,000)	-	1,050,000
Pinnacle West	-	-	150,000
Reliant	4,932,331	-	2,250,000
Richardson	(525,000)	-	450,000
Sempra	5,700,000	-	(600,000)
Shell	(11,525,000)	-	-
Tenaska	(1,890,000)	-	1,410,000
Terra	(1,200,000)	-	-
Tractebel	300,000	-	(1,200,000)
Transalta	(150,000)	-	-
TXU	(1,350,000)	-	150,000
Utilicorp	2,100,000	-	2,550,000
WGR	(600,000)	-	120,000
Williams	(551,325)	-	600,000
Xcel	(585,000)	300,000	150,000

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**Net Volume Calculations (in Dth)**

**Alison Reitze**  
**Inside FERC**  
**Dec-00**

Market Participant	Southern California Gas Co.	El Paso Natural Gas Co, San Juan Basin	El Paso Natural Gas Co, Permian Basin
AEP	-	659,595	(155,000)
Amerada Hess	-	(620,000)	-
Avista	-	310,000	-
Bank of America	(155,000)	(3,427,500)	310,000
Bank of Montreal	-	155,000	-
Bank One	-	-	155,000
BNP Paribas	-	(155,000)	405,000
BP Amoco	155,000	392,460	11,315,000
Cargill	-	(269,344)	61,589
Chevron-Texaco	-	(1,776,854)	697,500
CIBC	-	-	155,000
Cinergy	-	(893,327)	(3,100,000)
Citigroup	-	-	155,000
CMS	-	-	310,000
ConAgra	-	(310,000)	-
Conoco Phillips	-	232,500	155,000
Cook Inlet	-	-	155,000
Deutsche Bank	-	7,077,303	62,000
Duke	155,000	(2,867,500)	(1,240,000)
Dynegy	-	387,500	(1,782,500)
El Paso	465,000	(15,810,000)	155,000
Encana	-	155,000	1,085,000
Enron	(310,000)	20,706,494	(3,117,500)
Entergy Koch	-	(697,500)	(119,426)
H&S Energy	-	1,395,000	-
J Aron	155,000	(6,013,101)	465,000
JP Morgan Chase	-	(155,000)	310,000
Kerr McGee	-	(1,395,000)	-
Kinder Morgan	-	(1,333,000)	(310,000)
Marathon	-	-	(310,000)
Mirant	(155,000)	3,576,086	(3,259,163)
Morgan Stanley	155,000	(633,500)	620,000
National Fuel	-	(310,000)	-
NGTS	-	310,000	(310,000)
OGE	-	(310,000)	(1,395,000)
Oneok	-	930,000	(155,000)
PG&E	-	(1,302,899)	(2,170,000)
Pinnacle West	-	310,000	-
Reliant	(155,000)	(1,085,000)	(155,000)
Richardson	-	(310,000)	(3,410,000)
Sempra	-	794,902	3,100,000
Shell	-	205,685	-
Tenaska	-	-	(620,000)
Tractebel	-	(837,000)	(465,000)
Transcanada	-	(310,000)	-
TXU	(155,000)	(775,000)	(310,000)
Utilicorp	155,000	1,751,500	2,325,000
WGR	-	232,500	(310,000)
Williams	(310,000)	1,240,000	(310,000)
Xcel	-	155,000	1,007,500
XTO Energy	-	620,000	-

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**Net Volume Calculations (in Dth)****Alison Reitze***Natural Gas Intelligence***Dec-00**

Market Participant	Southern Cal. Border Avg.	El Paso non- Bondad	El Paso Permian	PG&E Citygate
AEP	(1,102,500)	-	-	310,000
Astra	(310,000)	-	-	-
Bank of America	(930,000)	-	-	-
Black Hills	310,000	-	-	-
BNP Paribas	(155,000)	-	-	-
BP Amoco	(620,000)	-	-	-
Calpine	-	-	-	(465,000)
Chevron-Texaco	1,916,354	-	-	-
Cinergy	155,000	-	-	-
Citigroup	(155,000)	-	-	-
ConAgra	(930,000)	-	-	-
Conoco Phillips	310,000	-	-	-
Cook Inlet	310,000	-	-	-
CornerStone Propane	155,000	-	-	(620,000)
Deutsche Bank	(62,000)	-	-	-
Duke	(620,000)	-	-	930,000
Dynegy	3,458,500	-	-	155,000
El Paso	13,857,000	-	-	(2,790,000)
Encana	232,500	-	-	(387,500)
Engage	589,744	-	-	682,000
Enron	(21,071,026)	-	-	(1,463,000)
Entergy Koch	542,500	-	-	-
J Aron	(1,705,000)	-	-	-
Kerr McGee	155,000	-	-	-
Kinder Morgan	1,023,000	-	-	-
Merrill Lynch	(1,395,000)	-	-	-
Mirant	3,388,645	-	-	(465,000)
Morgan Stanley	(2,230,000)	-	-	-
Occidental	-	-	-	(180,000)
PG&E	3,797,500	-	-	620,000
Reliant	(1,085,000)	-	-	-
Sempra	3,332,500	-	-	2,325,000
Shell	4,681,000	-	-	310,000
Tractebel	(372,000)	-	-	-
Transalta	(1,085,000)	-	-	-
Transcanada	155,000	-	-	-
TXU	418,500	-	-	573,500
Utilicorp	(768,986)	-	-	465,000
Williams	(4,191,231)	-	-	-

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## Net Volume Calculations (in Dth)

Don Guilbault

Inside FERC

Dec-00

Market Participant	Henry Hub	Texas Eastern Transmission, East Louisiana Zone	Texas Eastern Transmission, West Louisiana Zone	Texas Eastern Transmission, East Texas Zone	Tennessee, La. & Offshore (Zone 1)	Columbia Gulf Louisiana	Texas Gas, Zone 1
Adams Resources	(3,100,000)	(310,000)	-	-	620,000	(620,000)	-
AEP	(8,316,918)	6,474,009	310,000	-	(2,790,000)	4,767,025	-
Amerada Hess	-	-	310,000	-	(310,000)	-	-
Anadarko	-	(620,000)	-	-	-	-	(310,000)
Avista	1,550,000	-	-	-	-	-	-
Axel Johnson	-	(1,395,000)	-	-	620,000	(155,000)	-
Bank of America	310,000	-	-	-	775,000	310,000	-
Bank of Montreal	-	90,000	-	-	-	-	-
BNP Paribas	-	-	-	-	-	(465,000)	-
BP Amoco	(1,085,000)	620,000	465,000	-	1,085,000	(775,000)	-
Bridgeline	6,510,000	(620,000)	-	-	-	-	-
Chevron-Texaco	(5,115,000)	(310,000)	-	-	(207,793)	(3,084,035)	-
Cinergy	(3,875,000)	(310,000)	-	-	-	-	-
CLECO	(155,000)	-	-	-	(139,500)	62,000	-
CMS	4,960,000	(8,680,000)	-	-	4,340,000	-	310,000
Conoco Phillips	(310,000)	(150,009)	-	-	465,000	328,600	-
Cook Inlet	620,000	-	-	-	-	-	-
CornerStone Propane	(620,000)	-	(155,000)	-	(155,000)	(155,000)	-
Deutsche Bank	-	(155,000)	-	-	(186,000)	-	-
Dominion	(310,000)	(353,400)	-	-	-	(1,322,398)	-
Duke	(9,679,998)	1,550,000	(775,000)	-	(15,000)	(847,602)	-
Dynegy	8,680,000	(1,085,000)	(155,000)	-	930,000	465,000	-
El Paso	8,215,000	310,000	(5,580,000)	-	(2,945,000)	2,480,000	-
Encana	(620,000)	(77,500)	-	-	-	-	-
Enron	11,707,000	6,820,000	2,170,000	-	(7,342,970)	(8,543,600)	-
Entergy Koch	(880,002)	(3,565,000)	2,325,000	-	-	3,100,000	-
Equitable	-	-	-	-	(155,000)	155,000	-
Idacorp	-	-	-	-	-	310,000	-
J Aron	(363,082)	-	-	-	124,000	-	-
JP Morgan Chase	-	-	-	-	(310,000)	(77,500)	-
Mieco	(930,000)	(310,000)	-	-	-	-	-
Mirant	3,100,000	(111,600)	(465,000)	-	(465,000)	(465,000)	-
NiSource	775,000	1,550,000	(930,000)	-	697,500	(1,860,000)	-
NJR Energy	(682,000)	620,000	-	-	-	-	-
Noble	(2,790,000)	-	-	-	1,550,000	(1,550,000)	-
Occidental	-	-	-	-	(1,705,500)	310,000	-
PCS Nitrogen	(620,000)	-	-	-	-	-	-
Pepco	-	-	-	-	57,970	-	-
PG&E	1,240,000	-	263,500	-	310,000	-	-
Reliant	(250,217)	917,500	2,790,000	-	2,163,793	5,709,797	-
Sempra	(5,890,000)	(1,395,000)	-	-	(1,007,500)	1,287,213	-
Shell	(1,240,000)	1,550,000	-	-	7,936,000	-	-
Tenaska	-	-	-	-	400,000	-	-
Torch	(775,000)	-	-	-	(310,000)	(310,000)	-
Tractebel	620,000	-	-	-	-	-	-
Transalta	155,000	-	-	-	-	-	-
TXU	620,000	(465,000)	-	-	(3,308,082)	1,240,000	-
Unocal	(2,015,000)	465,000	-	-	(310,000)	-	-
Utilicorp	(310,000)	(930,000)	(573,500)	-	-	325,500	-
Walter Oil & Gas	-	-	-	-	(101,918)	-	-
WGR	(155,000)	(124,000)	-	-	(310,000)	(155,000)	-
Williams	1,025,217	-	-	-	-	(465,000)	-

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**Net Volume Calculations (in Dth)****James Patrick Phillips****Inside FERC****Dec-00**

Market Participant	Houston Ship Channel	Katy
Adams Resources	(310,000)	-
AEP	310,000	-
Anadarko	(775,000)	-
Bank of America	(360,298)	-
Bank of Montreal	310,000	-
Bank One	665,000	-
BNP Paribas	(2,945,000)	-
BP Amoco	(2,681,500)	-
Cargill	304,918	-
Chevron-Texaco	(12,235)	-
Cinergy	(1,265,000)	-
Citigroup	(155,000)	-
CLECO	(83,146)	-
CMS	620,000	-
Conoco Phillips	(1,156,342)	-
Copano	(620,000)	-
CornerStone Propane	310,000	-
Deutsche Bank	(775,000)	-
Devon Energy	(310,000)	-
Duke	(6,512,053)	-
Dynegy	(1,550,000)	-
El Paso	9,944,822	-
Encana	155,000	-
Engage	775,000	-
Enron	11,365,082	-
Entergy Koch	71,000	-
J Aron	(2,850,000)	-
JP Morgan Chase	(1,550,000)	-
Kinder Morgan	2,204,053	-
Mieco	930,000	-
Mirant	(992,762)	-
Morgan Stanley	1,130,838	-
Oneok	4,495,000	(310,000)
PG&E	(625,000)	-
Reliant	2,918,075	-
Richardson	(387,500)	-
Sempra	315,000	-
Shell	(8,788,500)	-
Tenaska	(2,243,000)	-
Tractebel	(1,240,000)	-
Transalta	(155,000)	-
TXU	(961,000)	-
Utilicorp	3,410,000	(155,000)
WGR	(255,750)	-
Williams	(879,702)	-
Xcel	205,000	465,000

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**Net Volume Calculations (in Dth)****Sharon O' Toole***Inside FERC***Dec-00**

Market Participant	Waha
Bank of America	310,000
BP Amoco	(12,710,000)
Chevron-Texaco	(1,162,500)
CIBC	155,000
Cinergy	4,185,000
Deutsche Bank	1,860,000
Duke	(7,750,000)
El Paso	1,550,000
Enron	9,873,500
Entergy Koch	558,000
JP Morgan Chase	1,085,000
Kinder Morgan	775,000
Mirant	1,240,000
NGTS	620,000
OGE	155,000
Oneok	3,255,000
PG&E	775,000
Pinnacle West	155,000
Reliant	(465,000)
Richardson	(155,000)
Sempra	2,635,000
Tenaska	1,302,000
Tractebel	155,000
TXU	465,000
Utilicorp	(8,215,000)
WGR	124,000
Williams	(155,000)
Xcel	(620,000)

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## Net Volume Calculations (in Dth)

Chris Bakkenist  
 Inside FERC  
 Dec-00

Market Participant	Chicago Citygate	Southern Michigan Citygate	ANR Oklahoma	Panhandle, Texas, Oklahoma (Mainline)	Natural Gas Pipeline, Mid-Continent Zone	Oneok Gas Transportation, Oklahoma	Reliant, East	Natural Gas Pipeline, Texok Zone	Natural Gas Pipeline, Louisiana Zone
Adams Resources	-	-	-	-	-	-	-	-	(310,000)
AEP	-	-	(930,000)	248,200	(1,085,000)	-	-	(310,000)	310,000
Amerada Hess	-	-	254,098	-	310,000	-	-	-	-
American Central	-	-	-	-	-	-	-	(310,000)	-
Anadarko	-	-	(642,475)	(697,500)	-	-	-	(310,000)	-
Bank of America	-	-	-	225,000	-	-	-	-	-
Bank of Montreal	-	-	155,000	(310,000)	264,262	-	-	-	-
Bank One	-	-	-	1,852,649	-	-	-	-	-
Black Hills	-	-	-	-	(344,100)	-	-	-	-
BNP Paribas	-	-	155,000	750,000	(155,000)	-	-	-	-
BP Amoco	310,000	-	-	(5,321,325)	77,500	-	1,550,000	-	-
Bridgeline	-	-	-	-	-	-	-	-	(1,395,000)
Cargill	(155,000)	-	(465,000)	(617,500)	620,000	-	-	-	-
Chevron-Texaco	-	-	310,000	(131,750)	620,000	155,000	310,000	77,500	-
Cinergy	-	-	310,000	(1,475,600)	1,240,000	465,000	465,000	(3,720,000)	-
Citigroup	-	-	-	(155,000)	-	-	-	-	-
CMS	-	-	(221,929)	(6,453,071)	4,882,500	310,000	-	(620,000)	7,440,000
ConAgra	-	-	-	-	930,000	-	-	-	-
Conoco Phillips	-	-	899,000	(84,661)	-	-	-	-	-
Cook Inlet	-	-	-	310,000	-	-	-	-	-
CornerStone Propane	-	-	-	(2,092,500)	-	-	-	-	-
Deutsche Bank	-	-	310,000	465,000	341,000	-	465,000	-	-
Duke	-	-	279,000	16,887,425	(360,362)	(328,352)	310,000	(1,627,500)	(6,045,000)
Dynegy	-	-	2,015,000	(1,860,000)	155,000	930,000	310,000	(930,000)	620,000
El Paso	(465,000)	(620,000)	(2,667,169)	(8,596,148)	5,890,000	(465,000)	3,565,000	2,712,500	(2,480,000)
Encana	-	-	(620,000)	(1,151,929)	-	-	-	-	-
Engage	-	-	-	(151,100)	296,143	-	-	-	-
Enron	-	-	3,122,475	(10,529,770)	(10,040,900)	310,000	(3,410,000)	4,340,000	5,332,000
Entergy Koch	-	-	-	311,148	(31,000)	-	-	3,255,000	-
H&S Energy	-	-	-	620,000	-	-	-	-	-
J Aron	-	-	-	1,085,000	(310,000)	-	(155,000)	-	-
JP Morgan Chase	-	-	310,000	620,000	620,000	-	-	(310,000)	775,000
Kerr McGee	-	-	-	310,000	-	-	(155,000)	-	-
Kinder Morgan	-	-	-	1,817,500	-	-	-	(310,000)	-
Marathon	-	-	-	-	(465,000)	(155,000)	-	-	-
MidAmerican	-	-	-	-	-	-	-	-	(62,000)
Midwest	-	-	-	(155,000)	-	-	-	-	-
Mieco	-	-	-	310,000	-	-	-	-	-
Mirant	-	-	(310,000)	(713,000)	(415,865)	-	-	(852,500)	775,000
Morgan Stanley	-	-	(155,000)	(1,449,370)	(155,000)	-	(155,000)	-	-
NiSource	-	-	-	1,860,000	159,960	-	-	465,000	620,000
Noble	-	-	-	-	-	-	-	-	(620,000)
Occidental	-	-	-	(260,400)	(775,000)	-	-	(930,000)	(930,000)
OGE	-	-	310,000	5,549,000	(1,395,000)	465,000	(310,000)	(2,635,000)	-
Oneok	-	-	465,000	10,540,000	1,550,000	(2,480,000)	2,015,000	775,000	-
PG&E	155,000	-	(775,000)	2,481,270	318,897	(155,000)	(1,240,000)	(155,000)	-
Reliant	(155,000)	-	310,000	(3,237,591)	(1,085,000)	-	(4,495,000)	(465,000)	155,000
Sempra	620,000	-	(775,000)	1,095,000	432,357	(856,646)	(310,000)	155,000	(2,790,000)
Shell	(310,000)	-	465,000	(232,500)	(915,337)	(240,002)	(620,000)	775,000	(775,000)
Southwest Energy	-	-	(310,000)	-	-	-	-	-	-
Tenaska	-	-	(620,000)	(2,340,500)	(1,705,000)	1,085,000	465,000	(310,000)	-
Terra	-	-	-	-	620,000	-	-	-	-
Torch	-	-	-	(155,000)	-	-	-	-	-
Transcanada	-	-	(465,000)	(2,420,500)	(3,875,000)	-	-	-	-
TXU	-	310,000	201,500	(1,413,600)	620,000	-	629,920	(1,705,000)	-
Unocal	-	-	-	-	-	-	-	-	(1,450,000)
Utilicorp	-	-	(310,000)	(668,279)	1,304,945	-	(9,920)	2,790,000	830,000
WGR	-	-	(155,000)	1,356,002	930,000	-	-	-	-
Williams	-	310,000	(201,500)	3,410,000	1,395,000	620,000	930,000	155,000	-
WPS Resources	-	-	(403,000)	(248,000)	-	-	-	-	-
Xcel	-	-	155,000	818,400	155,000	(280,000)	(155,000)	-	-

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### Net Volume Calculations (in Dth)

## Chris Bakkenist

*Natural Gas Intelligence*

Dec-00

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ATTACHMENT 1

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## Net Volume Calculations (in Dth)

Bill Ham  
 Inside FERC  
 Dec-00

Market Participant	Col Gas Appalachia (W. Va., Ohio, Ky.)	CNG Transmission Appalachia	Texas Eastern Zone M-3	Transco Zone 6
Adams Resources	-	-	-	465,000
AEP	113,395	(116,994)	365,620	15,805,000
Amerada Hess	(1,085,000)	(310,000)	(155,000)	1,364,000
Anadarko	(155,000)	77,500	-	263,500
Ashland	(414,041)	155,000	-	-
Avista	(620,000)	-	-	310,000
Axel Johnson	-	(155,000)	(620,000)	(155,000)
Bank of America	1,085,000	1,860,000	100,000	-
Bank of Montreal	(360,000)	240,000	-	-
BNP Paribas	(775,000)	(310,000)	465,000	(2,015,000)
BP Amoco	1,643,000	(1,599,600)	(62,000)	155,000
Calpine	-	-	(155,000)	-
Cargill	1,085,000	-	-	-
Castle Power	-	-	-	217,000
Chevron-Texaco	(155,000)	1,379,063	232,500	294,500
Cinergy	(465,000)	310,000	-	-
Citigroup	310,000	-	155,000	(2,170,000)
CMS	(992,000)	225,494	310,000	-
Conoco Phillips	(356,500)	-	-	-
Deutsche Bank	387,500	-	-	-
Dominion	1,705,000	(2,171,000)	(310,000)	(992,000)
DTE Energy	(403,000)	-	-	-
Duke	(1,147,000)	(1,550,000)	(2,067,351)	(7,589,500)
Dynegy	1,550,000	(1,795,000)	(310,000)	(3,456,500)
El Paso	(2,065,959)	(3,410,000)	(883,500)	(3,983,500)
Encana	310,000	1,447,700	279,000	-
Engage	-	-	(543,120)	(217,000)
Enron	(5,580,000)	(631,563)	620,000	(2,170,000)
Entergy Koch	(310,000)	310,000	(1,807,649)	3,255,000
Equitable	1,860,000	620,000	108,500	-
First Energy	(310,000)	-	-	-
Glencore	-	-	-	775,000
IGS	(465,000)	-	-	-
J Aron	-	(430,000)	(1,425,000)	(2,327,500)
JP Morgan Chase	(310,000)	-	-	-
Kinder Morgan	(310,000)	-	-	-
Marathon	775,000	-	-	155,000
Mieco	(155,000)	-	(310,000)	(1,085,000)
Miram	(775,000)	2,240,000	4,526,000	1,601,500
Morgan Stanley	465,000	155,000	155,000	620,000
NiSource	465,000	(260,400)	620,000	547,500
NJR Energy	(155,000)	465,000	(930,000)	465,000
Noble	(558,000)	-	-	-
Northeast Utilities	-	-	-	(310,000)
NUI	-	-	(310,000)	465,000
OGE	(155,000)	-	155,000	-
Oneok	310,000	-	-	-
Pepco	620,000	-	1,240,000	620,000
PG&E	79,763	310,000	(310,000)	1,550,000
PPL	155,000	-	124,000	(93,000)
Proliance	-	31,000	-	-
PSEG	-	-	-	1,085,000
Reliant	7,130,000	(145,000)	1,410,500	(1,860,000)
Sempra	1,143,001	275,000	(15,500)	2,263,000
Shell	383,842	-	372,000	310,000
Tractebel	(1,085,000)	-	(310,000)	1,090,000
Transalta	-	-	-	310,000
Transcanada	(248,000)	775,000	(465,000)	4,340,000
TXU	1,860,000	1,085,000	(714,000)	775,000
Utilicorp	(5,347,500)	1,078,800	310,000	(7,205,000)
WGR	-	155,000	-	(310,000)
Williams	1,441,500	(310,000)	155,000	(3,162,000)
WPS Resources	(120,001)	-	-	-

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**Net Volume Calculations (in Dth)**

**Sharon O' Toole**  
**Inside FERC**  
**Jan-01**

Market Participant	Houston Ship Channel	Waha
Adams Resources	(240,000)	-
AEP	465,000	-
Anadarko	(1,395,000)	-
Bank of America	879,702	355,000
Bank of Montreal	396,630	-
Bank One	902,751	-
BNP Paribas	(3,383,333)	-
BP Amoco	(3,983,500)	(29,760,000)
Chevron-Texaco	(849,235)	(775,000)
CIBC	-	155,000
Cinergy	(502,000)	310,000
Citigroup	(255,000)	-
CLECO	(83,146)	-
Conoco Phillips	(1,001,342)	310,000
CornerStone Propane	155,000	-
Deutsche Bank	465,000	1,240,000
Duke	(6,157,053)	(3,875,000)
Dynegy	(2,790,000)	899,000
El Paso	1,017,904	7,133,793
Engage	930,000	-
Enron	11,215,393	15,252,000
Entergy Koch	(1,480,000)	1,178,000
J Aron	(2,845,000)	-
JP Morgan Chase	(1,395,000)	930,000
Kinder Morgan	(3,136,947)	1,240,000
Mieco	(310,000)	-
Mirant	795,300	1,757,700
Morgan Stanley	2,758,338	-
Noble	(310,000)	-
Oneok	1,705,000	1,240,000
PG&E	1,235,000	465,000
Pinnacle West	-	155,000
Powergen	70,000	-
Reliant	9,191,445	(775,000)
Richardson	(387,500)	(155,000)
Sempra	5,635,345	(203,793)
Shell	(6,735,500)	-
Tenaska	(1,048,000)	1,395,000
Terra	(310,000)	-
Tractebel	(620,000)	-
TXU	(850,000)	387,500
Utilicorp	1,240,000	1,240,000
WGR	(38,750)	434,000
Williams	360,298	(465,000)
Xcel	688,200	(68,200)

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**Net Volume Calculations (in Dth)**

**Dallas Dean**  
**Inside FERC**  
**Jan-01**

Market Participant	Texas Gas, Zone SL	Southern Natural Gas, Louisiana	Texas Eastern Transmission, East Louisiana Zone	Transcontinental, Zone 3 (pooling points)
Adams Resources	-	(213,280)	(310,000)	(465,000)
AEP	(3,815,000)	(155,000)	2,790,000	(1,395,000)
Amerada Hess	-	-	-	930,000
Anadarko	(155,000)	-	(620,000)	465,000
Axel Johnson	-	-	(1,395,000)	(310,000)
Bank of Montreal	-	(240,000)	90,000	(310,000)
BNP Paribas	-	-	-	(77,500)
BP Amoco	(1,085,000)	2,015,000	(1,860,000)	(1,550,000)
Chevron-Texaco	248,000	(64,899)	-	387,500
Cinergy	465,000	-	(310,000)	-
CMS	-	-	(2,945,000)	-
Conoco Phillips	-	-	(150,009)	(849,400)
CornerStone Propane	155,000	-	-	(155,000)
Dominion	(86,800)	-	(353,400)	-
Duke	(3,565,000)	-	2,015,000	(4,544,011)
Dynegy	(155,000)	620,000	(930,000)	(1,085,000)
El Paso	3,875,000	4,308,179	14,260,000	7,539,975
Encana	312,000	-	(77,500)	(192,975)
Enron	6,751,800	(4,340,000)	(7,130,000)	1,627,500
Entergy Koch	310,000	-	(2,325,000)	-
JP Morgan Chase	(697,500)	-	-	(465,000)
Marathon	-	-	-	(155,000)
Mieco	310,000	-	(310,000)	(620,000)
Mirant	(155,000)	-	(111,600)	1,934,400
Morgan Stanley	(1,550,000)	1,085,000	(155,000)	(155,000)
NiSource	-	-	(310,000)	49,011
Noble	-	-	(1,240,000)	-
Occidental	-	-	(155,000)	1,085,000
PG&E	-	-	-	620,000
Reliant	(310,000)	705,000	(942,500)	(2,867,500)
Sempra	(465,000)	(3,410,000)	(1,395,000)	(3,410,000)
Shell	(155,000)	-	1,860,000	1,085,000
Tractebel	-	-	-	310,000
Transcanada	-	-	-	(310,000)
TXU	(155,000)	-	1,860,000	2,170,000
Unocal	-	-	770,009	(1,457,000)
Utilicorp	77,500	(310,000)	(310,000)	(465,000)
WGR	-	-	(310,000)	-
Williams	(155,000)	-	-	2,635,000

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## Net Volume Calculations (in Dth)

Bill Ham  
 Inside FERC  
 Jan-01

Market Participant	Col Gas Appalachia (W. Va., Ohio, Ky.)	CNG Transmission Appalachia	Texas Eastern Zone M-3	Transco Zone 6
Adams Resources	-	-	-	465,000
AEP	7,006,245	(446,674)	(479,880)	12,355,000
Amerada Hess	(465,000)	310,000	279,000	3,729,000
Anadarko	(155,000)	77,500	-	263,500
Ashland	(724,041)	-	-	-
Avista	(155,000)	-	-	310,000
Axel Johnson	-	(155,000)	(775,000)	(155,000)
Bank of America	-	155,000	-	310,000
Bank of Montreal	(283,549)	240,000	-	-
BNP Paribas	(775,000)	(310,000)	620,000	(2,387,000)
BP Amoco	248,000	(235,600)	(620,000)	465,000
Calpine	-	-	(930,000)	-
Cargill	1,085,000	-	-	-
Castle Power	-	-	-	62,000
Chevron-Texaco	(403,000)	2,178,000	232,500	449,500
Cinergy	620,000	310,000	-	(465,000)
Citigroup	(620,000)	-	-	(775,000)
CMS	(6,568,745)	435,674	310,000	-
Con Ed	-	-	77,500	(372,000)
Conoco Phillips	418,500	-	-	-
Deutsche Bank	387,500	-	-	-
Dominion	5,082,000	(1,373,572)	122,500	1,023,000
DTE Energy	(930,000)	-	155,000	-
Duke	403,000	(1,240,000)	(207,351)	(9,604,500)
Dynegy	(775,000)	1,013,011	(465,000)	2,511,000
El Paso	2,119,041	(7,595,000)	3,861,000	12,632,500
Encana	-	940,261	-	62,000
Engage	-	-	(543,120)	(217,000)
Enron	(4,386,500)	1,395,000	(4,913,500)	(10,803,500)
Entergy Koch	(1,162,500)	155,000	(2,272,649)	1,395,000
Equitable	837,000	697,500	263,500	-
First Energy	155,000	310,000	-	-
Glencore	-	-	-	(155,000)
IGS	(1,085,000)	-	-	-
J Aron	95,000	(710,000)	(1,025,000)	(155,000)
JP Morgan Chase	1,395,000	-	-	-
Kinder Morgan	(310,000)	-	-	-
Marathon	-	-	-	155,000
Mieco	(620,000)	-	(310,000)	(1,705,000)
Mirant	1,395,000	101,000	2,001,500	(3,374,000)
Morgan Stanley	698,549	310,000	465,000	775,000
NiSource	(465,000)	1,289,600	1,317,500	392,500
NJR Energy	-	-	(310,000)	465,000
Noble	(403,000)	155,000	-	-
Northeast Utilities	-	-	-	(310,000)
NUI	-	310,000	(465,000)	620,000
OGE	(155,000)	-	-	-
Oneok	310,000	-	-	-
Pepco	310,000	-	1,085,000	465,000
PG&E	(465,000)	155,000	2,030,500	465,000
PPL	155,000	-	124,000	(93,000)
Proliance	-	(77,500)	-	-
PSEG	-	-	-	(155,000)
Reliant	6,383,870	(310,000)	558,000	(1,999,500)
Sempra	926,001	1,395,000	682,000	2,185,500
Shell	(3,394,500)	-	310,000	155,000
South Jersey Energy	-	(77,500)	-	-
Tractebel	(465,000)	-	(108,500)	(2,397,500)
Transcanada	(2,263,000)	77,500	(1,162,500)	1,860,000
TXU	1,565,500	682,000	(914,500)	1,085,000
Utilicorp	(5,192,500)	(6,200)	(465,000)	(7,068,000)
WGR	-	155,000	-	-
Williams	465,000	(310,000)	1,472,500	(2,464,500)
WPS Resources	161,129	-	-	-

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## Net Volume Calculations (in Dth)

Chris Bakkenist  
Inside FERC  
Jan-01

Market Participant	Chicago Citygate	Southern Michigan Citygate	Natural Gas Pipeline, Louisiana Zone	Natural Gas Pipeline, Texok Zone	Panhandle, Texas, Oklahoma (Mainline)	ANR Oklahoma	Natural Gas Pipeline, Mid-Continent Zone	Northern Natural Gas, Ventura, Iowa	Northern Natural Gas, Demarcation
Adams Resources	-	-	(310,000)	-	-	-	-	-	-
AEP	-	-	(1,550,000)	(155,000)	(1,606,929)	(627,502)	(310,000)	-	(775,000)
Amerada Hess	-	-	-	-	-	-	310,000	-	-
American Central	-	-	-	(310,000)	-	-	-	-	-
Anadarko	-	-	-	310,000	(3,487,500)	(642,475)	-	-	(310,000)
Bank of America	-	-	-	-	3,325,000	310,000	310,000	(775,000)	155,000
Bank of Montreal	-	-	-	-	(310,000)	155,000	-	310,000	-
Bank One	-	-	-	-	170,149	-	-	77,500	-
Black Hills	-	-	-	-	155,000	-	(465,000)	-	-
BNP Paribas	-	-	-	-	(155,000)	155,000	155,000	105,400	-
BP Amoco	310,000	-	(310,000)	155,000	460,175	(465,000)	2,712,500	(2,790,000)	930,000
Bridgeline	-	-	(310,000)	-	-	-	-	-	-
Cargill	(310,000)	-	-	-	307,884	(155,000)	(465,000)	(1,085,000)	(930,000)
Chevron-Texaco	-	-	-	139,500	809,100	310,000	77,500	-	155,000
CIBC	-	-	-	-	-	-	-	(697,500)	-
Cinergy	-	-	-	(2,635,000)	(4,312,100)	(620,000)	3,410,000	-	248,000
Citigroup	-	-	-	-	155,000	-	-	50,000	-
CLECO	-	-	-	310,000	-	-	-	-	-
CMS	-	-	3,875,000	-	(4,645,071)	398,071	3,332,500	(3,157,500)	3,312,500
ConAgra	-	-	-	-	-	-	(930,000)	-	(155,000)
Conoco Phillips	-	-	-	-	(465,000)	899,000	310,000	-	-
CornerStone Propane	-	-	-	-	(1,782,500)	-	-	-	155,000
Deutsche Bank	-	-	-	-	1,240,000	310,000	496,000	155,000	155,000
Dominion	-	-	-	310,000	(310,000)	-	(310,000)	-	310,000
Duke	310,000	155,000	(3,875,000)	(25,833)	19,622,425	(182,900)	(4,756,100)	(310,000)	(1,984,000)
Dynegy	155,000	-	(2,015,000)	(1,085,000)	(1,492,464)	546,344	310,000	1,550,000	155,000
El Paso	(465,000)	(620,000)	7,285,000	1,472,500	(4,039,148)	(4,800,071)	4,518,500	(1,965,400)	1,395,000
Encana	-	-	-	-	(620,000)	-	(155,000)	(951,700)	48,329
Engage	-	-	-	-	(151,100)	-	150,040	310,000	(155,000)
Enron	-	-	(465,000)	6,045,000	(16,266,692)	6,377,475	(1,090,735)	(4,549,371)	(6,942,605)
Entergy Koch	-	-	-	(4,247,000)	-	2,171,148	-	(1,271,000)	-
H&S Energy	-	-	-	-	465,000	-	-	-	-
J Aron	-	-	-	-	(50,000)	-	(70,000)	1,395,000	-
JP Morgan Chase	-	-	930,000	(310,000)	310,000	465,000	155,000	-	(62,000)
Kerr McGee	-	-	-	-	155,000	-	-	-	294,500
Kinder Morgan	-	-	-	(310,000)	1,860,000	-	775,000	(930,000)	465,000
Marathon	-	-	-	620,000	-	-	(775,000)	-	-
MidAmerican	-	-	-	-	-	228,656	-	620,000	-
Midwest	-	-	-	-	(155,000)	-	-	-	-
Mirant	(155,000)	-	4,030,000	(387,500)	(2,449,000)	(930,000)	(1,240,000)	(4,572,500)	310,000
Morgan Stanley	-	-	155,000	-	(877,649)	(155,000)	(155,000)	542,500	-
Nexen	-	-	-	-	-	-	-	(77,500)	-
NGTS	-	-	-	-	-	-	-	-	465,000
NiSource	-	-	775,000	465,000	1,317,500	-	159,960	-	-
Noble	-	-	310,000	-	-	-	-	-	465,000
Northern Natural Gas	-	-	-	-	(155,000)	-	-	-	465,000
Occidental	-	-	(2,170,000)	(1,395,000)	(253,828)	-	(1,234,265)	(310,000)	(1,395,000)
OGE	-	-	-	(3,410,000)	5,704,000	-	(1,395,000)	930,000	3,410,000
Oneok	-	-	310,000	1,395,000	12,016,000	1,395,000	930,000	620,000	310,000
PG&E	155,000	-	-	-	(930,000)	(465,000)	(387,500)	(686,929)	(1,395,000)
Pinnacle West	-	-	-	-	-	-	-	-	(155,000)
Reliant	(155,000)	-	155,000	155,000	(4,123,000)	(155,000)	(2,315,000)	4,340,000	2,015,000
Sempra	620,000	-	(2,480,000)	620,000	(275,384)	837,000	(418,500)	(1,627,500)	558,000
Shell	(310,000)	-	620,000	1,343,333	542,500	310,000	(1,085,000)	(1,550,000)	(465,000)
Southwest Energy	-	-	-	-	-	(310,000)	-	-	-
Tenaska	155,000	-	-	(310,000)	(1,860,000)	(620,000)	(2,170,000)	3,255,000	(108,500)
Torch	-	-	-	-	(155,000)	-	-	-	-
Transcanada	-	(155,000)	-	-	(2,960,500)	(775,000)	(4,340,000)	6,742,500	62,000
TXU	-	310,000	-	(2,015,000)	(1,181,100)	(310,000)	(155,000)	465,000	(620,000)
Unocal	-	-	(310,000)	-	-	-	-	-	-
Utilicorp	(310,000)	-	(4,650,000)	3,100,000	387,500	(310,000)	3,041,100	3,038,000	(1,626,224)
WGR	-	-	-	-	772,520	(620,000)	1,395,000	-	-
Williams	-	310,000	-	155,000	2,790,000	-	2,790,000	620,000	775,000
WPS Resources	-	-	-	-	(150,536)	(240,498)	-	600,000	-
Xcel	-	-	-	-	(136,400)	306,900	155,000	310,000	930,000

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### Net Volume Calculations (in Dth)

Chris Bakkenist

## Chris Bakkenist Natural Gas Intelligence

Jan-01

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**Net Volume Calculations (in Dth)****James Patrick Phillips***Inside FERC***Feb-01**

Market Participant	Houston Ship Channel	Waha
Adams Resources	(280,000)	-
AEP	560,000	140,000
Anadarko	(1,408,400)	-
Bank of America	394,570	620,000
Bank of Montreal	358,247	(480,000)
Bank One	815,388	-
BNP Paribas	(2,833,333)	-
BP Amoco	(6,678,000)	(16,380,000)
Chevron-Texaco	(41,708)	(420,000)
CIBC	-	140,000
Cinergy	(506,441)	2,940,000
Citigroup	(240,000)	-
CLECO	(75,099)	-
CMS	280,000	-
Conoco Phillips	(1,512,038)	140,000
CornerStone Propane	140,000	-
Deutsche Bank	(224,000)	1,120,000
Dominion	560,000	-
Duke	(6,301,854)	(4,340,000)
Dynegy	(2,800,000)	700,000
El Paso	11,529,314	9,784,071
Engage	840,000	-
Enron	14,488,120	8,222,000
Entergy Koch	(1,380,000)	1,064,000
J Aron	(2,820,000)	-
JP Morgan Chase	(980,000)	1,120,000
Kinder Morgan	(618,146)	1,120,000
Marathon	280,000	-
Mieco	280,000	-
Mirant	(3,654,000)	(574,000)
Morgan Stanley	3,639,402	-
NGTS	-	140,000
Oneok	-	(420,000)
PG&E	430,000	1,120,000
Powergen	192,881	-
Reliant	6,942,595	1,260,000
Richardson	(350,000)	-
Sempra	5,040,073	95,929
Shell	(11,670,000)	-
Tenaska	(1,796,000)	168,000
Tractebel	(280,000)	-
TXU	(1,260,000)	490,000
Utilicorp	(1,200,000)	(7,308,000)
WGR	(147,000)	(28,000)
Williams	325,430	(560,000)
Xcel	1,960,000	126,000

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**Net Volume Calculations (in Dth)****James Patrick Phillips***Inside FERC***Mar-01**

Market Participant	Houston Ship Channel	Waha
Adams Resources	(310,000)	-
AEP	(1,480,000)	-
Anadarko	(992,000)	-
Bank of America	104,702	355,000
Bank of Montreal	2,101,630	(310,000)
Bank One	902,751	-
BNP Paribas	51,667	-
BP Amoco	(2,635,000)	(11,780,000)
Bridgeline	155,000	-
Chevron-Texaco	58,255	(1,395,000)
CIBC	-	155,000
Cinergy	(3,948,559)	775,000
Citigroup	(155,000)	-
CLECO	(83,146)	-
CMS	310,000	-
Conoco Phillips	(6,163,561)	155,000
CornerStone Propane	155,000	-
Deutsche Bank	(155,000)	1,395,000
Duke	(5,272,053)	(4,495,000)
Dynegy	(1,705,000)	(930,000)
El Paso	30,193,169	1,398,793
Encana	-	46,500
Engage	930,000	-
Enron	(9,868,137)	8,277,000
Entergy Koch	(6,905,500)	1,333,000
J Aron	(2,810,000)	-
JP Morgan Chase	(1,240,000)	1,240,000
Kinder Morgan	(1,671,947)	1,240,000
Koch	(1,240,000)	-
Mieco	155,000	-
Mirant	77,500	527,000
Morgan Stanley	5,269,338	155,000
NGTS	(155,000)	-
Oneok	1,550,000	2,325,000
PG&E	460,000	930,000
Powergen	207,119	-
Reliant	7,836,445	(465,000)
Richardson	(387,500)	(1,085,000)
Sempra	4,825,080	(203,793)
Shell	(6,184,800)	-
Tenaska	(1,988,000)	775,000
Tractebel	(310,000)	-
TXU	(1,209,000)	542,500
Utilicorp	740,000	(697,500)
WGR	116,250	279,000
Williams	360,298	(620,000)
Xcel	310,000	77,500

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**Net Volume Calculations (in Dth)**

**James Patrick Phillips**  
**Inside FERC**  
**Oct-01**

Market Participant	Houston Ship Channel	Katy	EPGT Texas Pipeline, Texas	Waha
AEP	(2,134,000)	-	-	3,720,000
AES	279,000	-	-	-
AIG	124,000	-	-	-
Anadarko	(620,000)	-	-	-
Bank of America	232,500	-	-	1,140,000
Bank of Montreal	784,130	-	-	-
Bank One	778,451	-	-	-
BNP Paribas	131,098	-	-	(155,000)
BP Amoco	5,890,000	-	-	(8,835,000)
Bridgeline	310,000	-	-	-
Chevron-Texaco	633,500	-	-	(489,800)
Cinergy	(465,000)	-	-	(387,500)
Citigroup	(77,500)	-	-	620,000
CLECO	835,841	-	-	-
CMS	-	-	-	(2,325,000)
Conoco Phillips	1,550,000	-	-	(2,635,000)
Deutsche Bank	651,000	-	-	155,000
Duke	3,565,000	-	-	(4,340,000)
Dynegy	(2,557,500)	-	-	(1,860,000)
El Paso	(10,198,222)	-	-	536,293
Enron	15,436,215	620,000	-	12,347,300
Entergy Koch	(10,013,000)	-	-	2,480,000
FPL	620,000	-	-	-
Glencore	620,000	-	-	-
H&S Energy	310,000	-	-	-
J Aron	(6,355,000)	-	-	-
JP Morgan Chase	(1,240,000)	-	-	310,000
Kinder Morgan	(1,767,000)	(620,000)	-	930,000
Marathon	(201,500)	-	-	511,500
Mirant	(392,594)	-	-	4,495,000
Morgan Stanley	1,905,838	-	-	-
NGTS	361,594	-	-	-
NiSource	620,000	-	-	-
Occidental	(155,000)	-	-	(465,000)
Oneok	-	-	-	(310,000)
PG&E	(930,000)	-	-	1,085,000
Powergen	252,967	-	-	-
Reliant	754,532	-	-	930,000
Richardson	1,085,000	-	-	(620,000)
Sempra	4,072,149	310,000	-	1,423,707
Shell	(2,201,000)	-	-	-
Tenaska	(992,000)	-	-	(666,500)
Tractebel	(620,000)	-	-	930,000
TXU	(1,596,500)	-	-	(1,860,000)
Utilicorp	(1,178,000)	(620,000)	-	(9,207,000)
WGR	-	310,000	-	620,000
Williams	(744,000)	-	-	1,860,000
Xcel	2,635,000	-	-	62,000

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## Net Volume Calculations (in Dth)

Sharon O'Toole  
 Inside FERC  
 Feb-02

Market Participant	ANR Louisiana	ANR Oklahoma	Chicago Citygate	Southern Michigan Citygate	Natural Gas Pipeline, Louisiana Zone	Natural Gas Pipeline, Mid-Continent Zone	Natural Gas Pipeline, Texok Zone	Oneok Gas Transportation, Oklahoma	Panhandle, Texas, Oklahoma (Mainline)	Trunkline, Louisiana
AEP	3,238,424	1,213,973	280,000	-	12,460,000	(1,702,055)	1,148,000	-	4,828,540	(798,000)
Amerada Hess	-	-	-	-	(289,436)	280,000	-	-	(280,000)	130,000
Adarco	(560,000)	(560,000)	-	-	-	-	-	-	(1,341,200)	(280,000)
Bank of America	140,000	(140,000)	-	-	-	-	-	-	1,025,421	-
Bank of Montreal	(840,000)	931,788	-	-	-	420,000	-	-	140,000	-
Bank One	-	-	-	-	-	-	-	-	184,770	-
Black Hills	-	-	-	-	-	420,000	-	-	-	-
BNP Paribas	(140,000)	(935,890)	-	-	-	140,000	-	(140,000)	(1,260,000)	-
BP Amoco	(2,044,000)	(840,000)	280,000	-	-	(1,176,000)	140,000	-	(980,000)	(882,000)
Bridgeline	560,000	-	-	-	(1,680,000)	-	-	-	280,000	-
Cargill	-	-	(280,000)	-	-	(630,000)	(800,000)	-	(90,000)	-
Chevron-Texaco	-	560,000	-	-	-	-	-	-	(742,000)	-
CIBC	-	(140,000)	-	-	-	-	-	-	280,000	-
Cinergy	(742,176)	(1,120,000)	-	-	-	(267,432)	2,480,000	420,000	(6,261,430)	(280,000)
Citigroup	-	-	-	-	-	-	-	-	210,000	-
CLECO	1,120,000	-	-	-	(280,000)	-	560,000	-	-	(560,000)
CMS	5,040,000	(520,000)	-	(700,000)	849,436	280,000	-	(420,000)	(980,000)	(7,000,000)
Conoco Phillips	(280,000)	840,000	-	-	-	-	-	280,000	-	(854,420)
Cook Inlet	-	-	-	-	-	-	-	-	420,000	-
CornerStone Propane	28,000	-	-	-	(280,000)	-	-	-	-	-
Deutsche Bank	-	(140,000)	-	-	-	140,000	-	-	-	-
Dominion	(1,820,000)	2,523,892	(140,000)	-	-	(2,730,000)	930,000	-	(610,822)	-
Duke	-	-	-	-	(280,000)	(140,000)	420,000	(1,680,000)	1,820,000	1,820,000
Dynegy	(2,520,000)	4,200,000	-	-	(1,680,000)	3,500,000	(1,820,000)	280,000	(3,500,000)	3,780,000
El Paso	(5,852,000)	(3,615,898)	-	-	(3,640,000)	(2,577,151)	140,000	(280,000)	9,978,916	1,830,000
Encana	(280,000)	-	-	-	-	(280,000)	-	-	1,120,000	-
Engage	-	-	280,000	-	-	-	-	-	-	-
Enron	5,600,000	2,595,600	-	-	(4,480,000)	1,470,000	(280,000)	560,000	(6,853,448)	1,274,420
Energy Koch	280,000	(140,000)	-	-	1,120,000	280,000	(1,260,000)	-	630,000	-
Forest Oil	280,000	-	-	-	280,000	-	-	-	-	-
J Aron	140,000	-	-	-	3,500,000	(82,849)	(420,000)	-	420,000	980,000
JP Morgan Chase	(420,000)	280,000	-	-	-	92,055	-	-	70,000	-
Kerr McGee	-	-	-	-	-	-	-	-	140,000	-
Kinder Morgan	-	-	-	-	-	1,120,000	-	-	1,960,000	-
Marathon	-	-	-	-	-	(280,000)	(280,000)	(140,000)	-	-
MidAmerican	-	(75,600)	-	-	-	280,000	(280,000)	-	-	-
Mirant	195,648	(560,000)	280,000	-	280,000	(280,000)	(700,000)	560,000	(140,000)	700,000
Morgan Stanley	-	-	-	-	-	-	-	-	840,000	-
National Fuel	-	-	-	-	-	-	-	-	140,000	-
Nexen	-	-	(280,000)	-	-	-	-	-	-	-
NGTS	-	-	-	-	-	(280,000)	-	-	238,000	-
NISource	(140,000)	-	(280,000)	-	-	56,000	168,000	-	1,540,000	140,000
Noble	-	-	-	-	-	-	-	-	(112,000)	-
Occidental	-	-	(280,000)	-	(140,000)	(1,120,000)	(1,680,000)	-	(504,152)	-
OGE	-	-	-	-	-	280,000	(280,000)	840,000	980,000	-
Oneok	-	1,400,000	-	-	-	560,000	560,000	(1,960,000)	(4,126,667)	-
PG&E	(280,000)	(1,400,000)	-	-	-	-	-	-	2,884,000	(280,000)
Reliant	(335,300)	(980,000)	(140,000)	(140,000)	(1,120,000)	(2,240,000)	-	-	(791,468)	(560,000)
Sempra	2,240,000	(580,000)	1,120,000	-	(3,360,000)	1,295,000	(420,000)	-	(370,595)	1,260,000
Shell	(560,000)	46,027	-	(140,000)	-	92,055	-	-	(1,271,123)	-
Tenaska	-	-	(280,000)	-	-	(590,000)	(258,000)	-	(3,672,000)	-
Terra	-	-	-	-	-	-	-	1,400,000	-	-
Torch	(280,000)	-	-	-	-	-	-	-	-	-
Transcanada	(242,424)	(414,400)	-	-	-	-	-	-	(627,396)	-
TXU	(1,400,000)	(686,000)	-	280,000	1,540,000	(192,783)	(140,000)	(280,000)	276,000	(140,000)
Utilicorp	(1,050,000)	(420,000)	280,000	420,000	(2,380,000)	(539,000)	2,072,000	140,000	963,867	(700,000)
WGR	-	(700,000)	-	-	(420,000)	1,680,000	-	-	3,494,788	-
Williams	-	(140,000)	-	-	-	2,778,160	-	560,000	(70,000)	-
WPS Resources	1,063,828	(63,492)	(420,000)	-	-	-	-	-	-	-
Xcel	-	(700,000)	-	-	-	(56,000)	-	(140,000)	-	-
XTO Energy	-	-	-	-	-	-	-	-	140,000	-

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**Net Volume Calculations (in Dth)**

**James Patrick Phillips**  
**Inside FERC**  
**Mar-02**

Market Participant	EPGT Texas Pipeline, Texas	Houston Ship Channel	Katy	Natural Gas Pipeline, South Texas Zone	Trunkline, Texas	Waha
AEP	-	18,826,125	-	-	-	(7,502,000)
AIG	-	124,000	-	-	-	-
Anadarko	-	(263,500)	-	-	-	-
Bank of America	-	(358,836)	-	-	-	50,000
Bank of Montreal	-	(248,603)	-	-	-	465,000
Bank One	-	289,549	-	-	-	-
Barclays	-	-	-	-	-	279,500
BNP Paribas	-	480,500	-	-	(372,000)	372,000
BP Amoco	-	5,022,000	-	-	-	1,395,000
Bridgeline	-	(465,000)	-	-	-	-
Calpine	-	-	-	-	-	(80,000)
Chevron-Texaco	-	1,455,000	-	-	-	(310,000)
Cinergy	-	(3,636,832)	-	-	-	(75,000)
Citigroup	-	387,500	-	-	-	310,000
CLECO	-	(723,675)	-	-	-	-
Conoco Phillips	-	(5,327,784)	-	-	-	(155,000)
Constellation	-	(155,000)	-	-	-	-
Deutsche Bank	-	(1,550,000)	-	-	-	-
Dominion	-	2,480,000	-	-	-	(3,410,000)
Duke	-	(2,170,000)	-	-	-	(2,790,000)
Dynegy	-	(6,045,000)	-	-	-	(1,240,000)
El Paso	-	(8,565,228)	(310,000)	2,170,000	(2,170,000)	2,881,141
Encana	-	(155,000)	-	-	-	-
Enron	-	14,409,973	310,000	-	-	40,500
Entergy Koch	-	(248,000)	-	-	-	168,734
Exelon	-	620,000	-	-	-	-
Forest Oil	-	310,000	-	-	-	-
J Aron	-	(4,030,000)	-	-	-	-
JP Morgan Chase	-	1,150,185	-	-	-	-
Kinder Morgan	-	(1,379,500)	-	-	-	-
Mirant	-	(4,685,129)	-	-	-	5,192,500
Morgan Stanley	-	1,782,050	-	-	-	542,500
NGTS	-	(274,871)	-	-	-	(465,000)
NiSource	-	(465,000)	-	-	-	-
Occidental	-	-	-	(70,990)	-	155,000
Oneok	-	(155,000)	(310,000)	-	-	2,015,000
PG&E	-	620,000	-	-	-	-
Reliant	-	(5,046,758)	-	-	-	3,100,000
Richardson	-	465,000	-	-	-	(120,900)
Sempra	-	2,584,149	310,000	(2,170,000)	2,542,000	(64,141)
Shell	-	(8,277,000)	-	-	-	-
Tenaska	-	(1,003,000)	-	-	-	330,166
Tractebel	-	610,190	-	-	-	155,000
TXU	-	(1,054,000)	-	-	-	-
Utilicorp	-	4,989,420	(155,000)	70,990	-	-
WGR	-	(310,000)	-	-	-	-
Williams	-	(3,689,000)	-	-	-	(1,085,000)
Xcel	-	1,506,073	155,000	-	-	(155,000)
XTO Energy	-	2,170,000	-	-	-	-

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## Net Volume Calculations (in Dth)

James Patrick Phillips  
 Inside FERC  
 Apr-02

Market Participant	EPGT Texas Pipeline, Texas	Houston Ship Channel	Natural Gas Pipeline, South Texas Zone			Waha
			Katy	Trunkline, Texas		
AEP	-	480,824	600,000	-	-	28,143,000
AIG	-	120,000	-	-	-	-
Anadarko	-	(450,000)	-	-	-	-
Bank of America	-	1,152,740	-	-	-	50,000
Bank of Montreal	-	1,740,484	-	-	-	600,000
Bank One	-	362,630	-	-	-	-
Barclays	-	-	-	-	-	25,000
BNP Paribas	-	1,628,861	-	-	-	360,000
BP Amoco	-	(1,590,000)	-	-	-	225,000
Brideline	-	(1,500,000)	-	-	-	-
Calpine	-	-	-	-	-	(80,000)
Cargill	-	300,000	-	-	-	-
Chevron-Texaco	-	1,210,000	-	-	-	-
Cinergy	-	(1,700,160)	-	-	-	(973,505)
Citigroup	-	450,000	-	-	-	(300,000)
CLECO	-	(860,748)	-	-	-	-
CMS	-	-	-	-	-	300,000
Conoco Phillips	-	(885,000)	-	-	-	(450,000)
Constellation	-	(150,000)	-	-	-	-
Deutsche Bank	-	(1,500,000)	-	-	-	-
Dominion	-	2,400,000	-	-	-	(2,250,000)
Duke	-	2,400,000	-	-	-	(1,950,000)
Dynegy	-	(600,000)	-	-	-	(525,000)
El Paso	-	(9,739,190)	(1,200,000)	2,100,000	(2,100,000)	(6,717,810)
Enron	-	(2,562,709)	300,000	-	-	(4,110,000)
Entergy Koch	-	(1,965,000)	-	-	-	2,192,000
Forest Oil	-	300,000	-	-	-	-
J Aron	-	2,250,000	-	-	-	-
JP Morgan Chase	-	63,082	-	-	-	-
Kinder Morgan	-	1,140,000	-	-	-	-
Mirant	-	1,714,127	-	-	-	(1,350,000)
Morgan Stanley	-	1,799,565	-	-	-	300,000
NGTS	-	85,873	-	-	-	(600,000)
OGE	-	-	-	-	-	150,000
Oneok	-	(300,000)	(600,000)	-	-	750,000
PG&E	-	1,200,000	-	-	-	-
Reliant	-	(4,340,026)	-	-	-	(2,550,000)
Richardson	-	300,000	-	-	-	330,000
Sempra	-	1,469,540	300,000	(2,100,000)	2,100,000	311,315
Shell	-	(415,000)	-	-	-	-
Socgen	-	120,000	-	-	-	-
Tenaska	-	(90,000)	-	-	-	(1,050,000)
Tractebel	-	(459,493)	-	-	-	(1,500,000)
TXU	-	1,230,000	-	-	-	(1,500,000)
UBS	-	7,500,000	-	-	-	-
Utilicorp	-	(4,230,400)	900,000	150,000	-	(7,530,000)
WGR	-	150,000	-	-	-	300,000
Williams	-	(1,320,000)	-	-	-	(300,000)
Xcel	-	990,000	(300,000)	(150,000)	-	(300,000)
XTO Energy	-	2,100,000	-	-	-	-

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## Net Volume Calculations (in Dth)

James Patrick Phillips

Inside FERC

May-02

Market Participant	EPGT Texas Pipeline, Texas	Houston Ship Channel	Natural Gas Pipeline, South Texas Zone			
			Katy	Trunkline, Texas	Waha	
AEP	-	(16,487,815)	620,000	-	-	(1,624,400)
AES	-	(110,000)	-	-	-	-
AIG	-	124,000	-	-	-	-
Anadarko	-	(310,000)	-	-	-	310,000
Bank of America	-	2,716,164	-	-	-	(27,500)
Bank of Montreal	-	1,609,804	-	-	-	620,000
Bank One	-	374,718	-	-	-	-
Barclays	-	-	-	-	-	139,500
BNP Paribas	-	1,683,156	-	-	-	372,000
BP Amoco	-	4,464,000	-	-	-	1,364,200
Brideline	-	310,000	-	-	-	-
Calpine	-	-	-	-	-	(80,000)
Cargill	-	2,170,000	-	-	-	-
Chevron-Texaco	-	1,247,000	-	-	-	-
Cinergy	-	(1,601,832)	-	-	-	(78,621)
Citigroup	-	465,000	-	-	-	(310,000)
CLECO	-	660,561	310,000	-	-	-
CMS	-	3,100,000	-	-	-	775,000
Conoco Phillips	-	1,860,000	-	-	-	(1,224,500)
Constellation	-	465,000	-	-	-	-
Deutsche Bank	-	(1,550,000)	-	-	-	-
Dominion	-	2,480,000	-	-	-	775,000
Duke	-	5,270,000	-	-	-	(387,500)
Dynegy	-	(620,000)	-	-	-	2,309,500
El Paso	-	17,991,170	(1,240,000)	2,170,000	(2,170,000)	2,978,263
Enron	-	(4,388,132)	310,000	-	-	(4,247,000)
Entergy Koch	-	(3,491,100)	-	-	-	2,700,100
Forest Oil	-	310,000	-	-	-	-
J Aron	-	2,325,000	-	-	-	-
JP Morgan Chase	-	(89,815)	-	-	-	-
Kinder Morgan	-	(3,038,000)	-	-	-	-
Mirant	-	(2,103,736)	-	-	-	(465,000)
Morgan Stanley	-	1,704,550	-	-	-	310,000
NGTS	-	(66,264)	-	-	-	620,000
NiSource	-	(1,100,000)	-	-	-	-
OGE	-	-	-	-	-	155,000
Oneok	-	180,000	(620,000)	-	-	(1,705,000)
PG&E	-	310,000	-	-	-	465,000
Reliant	-	(7,826,361)	-	-	-	3,410,000
Richardson	-	155,000	-	-	-	496,000
Sempra	-	2,603,524	310,000	(2,170,000)	2,170,000	323,359
Shell	-	(2,650,500)	-	-	-	-
Socgen	-	124,000	-	-	-	-
Tenaska	-	(434,000)	-	-	-	496,000
Total	-	155,000	-	-	-	-
Tractebel	-	(1,404,810)	-	-	-	(465,000)
TXU	-	(666,500)	-	-	-	620,000
UBS	-	(13,141,304)	-	-	-	(1,085,000)
Utilicorp	-	840,920	930,000	155,000	-	(9,083,000)
WGR	-	-	-	-	-	170,500
Williams	-	341,000	-	-	-	620,000
Xcel	-	2,715,600	(620,000)	(155,000)	-	753,100
XTO Energy	-	2,325,000	-	-	-	-

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## Net Volume Calculations (in Dth)

Dallas Dean  
 Inside FERC  
 Jul-00

Market Participant	Columbia Gulf Louisiana	Henry Hub	Tennessee, La. & Offshore (Zone 1)	Texas Eastern Transmission, East Louisiana Zone	Transcontinental, Zone 3 (pooling points)
Adams Resources	(155,000)	(930,000)	-	-	-
AEP	3,565,000	7,285,000	(443,487)	2,460,000	(2,945,000)
Amerada Hess	-	(930,000)	-	-	620,000
Anadarko	-	-	-	(620,000)	-
Avista	310,000	775,000	-	-	-
Axel Johnson	-	(620,000)	3,100,000	155,000	(465,000)
Bank of America	930,000	(465,000)	155,000	-	155,000
Bank of Montreal	-	(155,000)	-	-	-
BNP Paribas	-	(620,000)	-	-	(77,500)
BP Amoco	(310,000)	1,666,250	(465,000)	310,000	(155,000)
Bridgeline	1,240,000	-	-	-	-
Cargill	-	1,395,000	(309,998)	-	-
Chevron-Texaco	(1,705,000)	(4,650,000)	146,754	-	(310,000)
Cinergy	-	(775,000)	-	-	(310,000)
CLECO	465,000	930,000	(139,500)	-	-
CMS	(775,000)	-	310,000	-	-
Conoco Phillips	(2,480,000)	-	740,001	-	(155,000)
Constellation	-	-	-	310,000	-
CornerStone Propane	-	-	922,002	-	(155,000)
Deutsche Bank	-	-	(155,000)	-	-
Dominion	-	-	310,000	-	620,000
Duke	(1,550,000)	(9,610,000)	5,115,000	1,085,000	(3,261,262)
Dynegy	1,395,000	4,030,000	(465,000)	(1,705,000)	(6,510,000)
El Paso	(6,975,000)	12,575,000	(1,050,001)	(4,030,000)	9,145,000
Enron	5,657,500	(6,626,250)	1,464,998	310,000	1,007,500
Entergy Koch	4,030,000	(155,000)	-	(1,240,000)	930,000
Equitable	-	-	(155,018)	-	-
Idacorp	310,000	2,790,000	-	-	-
J Aron	-	(155,000)	-	-	-
JP Morgan Chase	(1,472,500)	(930,000)	(310,000)	(775,000)	(1,395,000)
Kinder Morgan	-	310,000	(56,495)	(155,000)	(310,000)
Mirant	1,085,000	2,635,000	(1,325,500)	775,000	2,945,000
Morgan Stanley	-	-	(155,000)	-	(310,000)
NiSource	(1,550,000)	5,735,000	310,000	1,395,000	620,000
Noble	(1,550,000)	(2,170,000)	(620,000)	(775,000)	-
Occidental	775,000	-	810,000	155,000	-
Oneok	-	775,000	-	-	-
PG&E	310,000	(155,000)	84,537	775,000	1,085,000
PPL	-	-	-	310,000	-
Progress Energy	-	-	-	-	161,262
Reliant	155,000	2,325,000	(2,557,500)	1,240,000	1,007,500
Sempra	(930,000)	(14,570,000)	(1,324,537)	(2,170,000)	155,000
Shell	465,000	620,000	(301,754)	(465,000)	-
Tenaska	-	-	162,998	-	-
Tractebel	-	(465,000)	-	-	-
Transcanada	-	-	-	-	(2,480,000)
TXU	775,000	2,790,000	(4,935,582)	(154,256)	(1,937,500)
Unocal	-	1,240,000	-	-	(155,000)
Utilicorp	(775,000)	(3,585,000)	1,085,000	2,964,256	(1,550,000)
Walter Oil & Gas	(310,000)	-	(101,918)	-	-
WGR	(775,000)	-	155,000	155,000	-
Williams	(155,000)	(155,000)	-	(310,000)	4,030,000
Xcel	-	(155,000)	-	-	-

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## Net Volume Calculations (in Dth)

Dallas Dean  
*Inside FERC*  
 Sep-00

Market Participant	Columbia Gulf Louisiana	Henry Hub	Tennessee, La. & Offshore (Zone 1)	Texas Eastern Transmission, East Louisiana Zone	Transcontinental, Zone 3 (pooling points)
Adams Resources	-	(1,950,000)	1,800,000	-	-
AEP	4,200,000	(1,200,000)	354,690	(450,000)	(6,450,000)
Amerada Hess	-	(150,000)	-	-	900,000
Anadarko	-	(450,000)	-	(300,000)	-
Avista	300,000	-	-	-	-
Axel Johnson	-	(1,200,000)	3,900,000	(450,000)	1,200,000
Bank of America	1,200,000	600,000	150,000	-	150,000
Bank of Montreal	-	(150,000)	-	-	-
BNP Paribas	-	-	-	-	(75,000)
BP Amoco	(300,000)	(7,380,000)	1,650,000	(1,950,000)	(450,000)
Bridgeline	-	(150,000)	-	(600,000)	-
Cargill	-	30,000	750,000	-	-
Chevron-Texaco	-	50,000	150,000	-	-
CLECO	900,000	(900,000)	-	-	-
CMS	(450,000)	(3,750,000)	(300,000)	(300,000)	-
Conoco Phillips	(1,800,000)	(600,000)	1,200,000	-	(987,210)
Constellation	-	-	-	300,000	-
Cook Inlet	(280,290)	-	-	-	-
CornerStone Propane	(150,000)	(300,000)	(600,000)	(150,000)	(150,000)
Deutsche Bank	-	-	(150,000)	-	-
Dominion	-	(900,000)	300,000	-	600,000
Duke	3,000,000	(2,700,000)	2,850,000	(2,250,000)	(9,300,000)
Dynegy	450,000	2,650,000	(2,250,000)	(2,100,000)	(5,700,000)
El Paso	(11,400,000)	22,000,000	(22,650,000)	(300,000)	22,500,000
Encana	300,000	-	-	(75,000)	300,000
Engage	(600,000)	(1,800,000)	-	-	-
Enron	4,480,290	(9,660,000)	14,850,000	2,850,000	(1,787,790)
Entergy Koch	2,850,000	(240,000)	(300,000)	-	450,000
Equitable	-	-	(150,017)	-	-
Idacorp	2,850,000	2,700,000	-	-	-
J Aron	-	(150,000)	-	-	-
JP Morgan Chase	(150,000)	150,000	(1,170,000)	(900,000)	(1,200,000)
Kinder Morgan	-	300,000	(54,673)	(150,000)	(300,000)
Marathon	-	(600,000)	-	-	-
Mieco	-	(1,200,000)	-	-	-
Mirant	(2,100,000)	(5,550,000)	(450,000)	5,400,000	(1,200,000)
Morgan Stanley	-	-	-	-	(300,000)
NiSource	(1,500,000)	3,450,000	(600,000)	600,000	-
Noble	(900,000)	(1,050,000)	(450,000)	(300,000)	(300,000)
NUI	-	-	-	150,000	-
Occidental	450,000	-	450,000	-	150,000
OGE	-	-	-	(300,000)	-
Oneok	-	150,000	-	-	-
PCS Nitrogen	-	(600,000)	-	-	-
Pepco	-	300,000	-	-	-
PG&E	300,000	(1,500,000)	150,000	750,000	750,000
Powergen	-	(300,000)	-	-	-
PPL	-	-	-	300,000	-
Reliant	(1,800,000)	3,000,000	1,470,000	3,375,000	375,000
Sempra	(1,350,000)	(7,270,000)	(3,600,000)	(3,600,000)	3,150,000
Shell	300,000	1,770,000	2,700,000	1,950,000	(600,000)
Texla	-	(300,000)	-	-	-
Torch	-	-	(150,000)	-	-
Tractebel	-	(150,000)	-	-	-
Transcanada	-	-	-	-	(1,200,000)
TXU	750,000	2,100,000	(3,651,370)	150,000	(1,575,000)
Unocal	-	-	-	-	(450,000)
Utilicorp	1,350,000	10,050,000	3,750,000	(1,350,000)	(1,950,000)
Walter Oil & Gas	(150,000)	-	(98,630)	-	-
WGR	(600,000)	(300,000)	150,000	-	-
Williams	(150,000)	3,000,000	-	(300,000)	3,450,000
Xcel	-	150,000	-	-	-

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**Net Volume Calculations (in Dth)****Dallas Dean****Inside FERC****Sep-00**

<b>Market Participant</b>	<b>Tennessee, Texas</b>	<b>Texas Eastern Transmission, South</b>
	<b>(Zone 0)</b>	<b>Texas Zone</b>
Adams Resources	(150,000)	-
AEP	(150,000)	1,050,000
Anadarko	(450,000)	-
Axel Johnson	-	150,000
Bank of Montreal	-	(750,000)
BNP Paribas	-	150,000
BP Amoco	(1,500,000)	(1,500,000)
Chevron-Texaco	(300,000)	-
Conoco Phillips	-	210,000
Constellation	-	(450,000)
Cook Inlet	300,000	-
CornerStone Propane	150,000	300,000
Deutsche Bank	(150,000)	450,000
Dominion	-	(300,000)
Duke	(1,500,000)	1,950,000
Dynegy	(450,000)	240,000
El Paso	6,300,000	(1,500,000)
Engage	-	(450,000)
Enron	604,980	1,740,000
Entergy Koch	-	(150,000)
J Aron	-	(750,000)
JP Morgan Chase	-	(150,000)
Kinder Morgan	-	450,000
Mirant	(900,000)	1,500,000
Morgan Stanley	-	(150,000)
Occidental	(300,000)	(300,000)
OGE	-	150,000
PG&E	-	(150,000)
Reliant	-	600,000
Sempra	(904,980)	(900,000)
Shell	-	450,000
Torch	150,000	360,000
Tractebel	-	(300,000)
TXU	(900,000)	(1,800,000)
Utilicorp	150,000	450,000
Williams	-	(600,000)

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**Net Volume Calculations (in Dth)****Dallas Dean****Inside FERC****Mar-01**

Market Participant	Columbia Gulf Louisiana	Henry Hub	Southern Natural Gas, Louisiana	Texas Eastern Transmission, East Louisiana Zone
Adams Resources	(620,000)	-	(213,280)	(310,000)
AEP	(4,254,595)	(2,271,918)	(155,000)	8,941,950
Amerada Hess	-	4,650,000	-	(310,000)
Anadarko	-	-	-	(620,000)
Avista	310,000	-	-	-
Axel Johnson	310,000	-	-	(1,395,000)
Bank of America	-	310,000	-	-
Bank of Montreal	(101,918)	-	-	-
BNP Paribas	(465,000)	-	-	-
BP Amoco	(2,015,000)	1,240,000	1,395,000	1,085,000
Bridgeline	-	2,325,000	-	-
Chevron-Texaco	(1,867,905)	(4,572,500)	291,601	465,000
Cinergy	-	2,480,000	-	(310,000)
CLECO	(248,000)	-	-	-
CMS	-	2,015,000	-	(1,860,000)
Conoco Phillips	899,000	(310,000)	-	-
CornerStone Propane	(155,000)	(310,000)	-	-
Dominion	(1,860,403)	(930,000)	-	(198,400)
Duke	237,398	(15,035,000)	-	930,000
Dynegy	(775,000)	3,565,000	744,000	(3,565,000)
El Paso	8,060,000	6,045,000	10,105,179	6,820,000
Encana	-	(775,000)	(232,500)	(77,500)
Enron	(5,440,500)	6,220,000	(9,300,000)	(12,059,000)
Entergy Koch	2,015,000	(1,663,000)	-	(465,000)
Equitable	155,000	-	-	-
Idacorp	310,000	-	-	-
J Aron	-	101,918	-	-
JP Morgan Chase	(387,500)	-	-	(310,000)
Kinder Morgan	-	(155,000)	-	-
Mieco	-	620,000	-	(310,000)
Mirant	(310,000)	6,897,500	-	(638,600)
Morgan Stanley	(155,000)	155,000	1,085,000	(155,000)
NiSource	1,240,000	15,500	-	(775,000)
Noble	(790,500)	1,395,000	-	(155,000)
NRG Power	-	-	-	(171,957)
Occidental	310,000	-	-	(726,950)
PCS Nitrogen	-	(620,000)	-	-
PG&E	-	310,000	-	-
Reliant	3,201,918	(930,000)	(310,000)	3,797,500
Sempra	(794,995)	(2,325,000)	(3,410,000)	(689,905)
Shell	790,500	(2,325,000)	310,000	1,705,000
Torch	(620,000)	-	-	-
Tractebel	-	(1,705,000)	-	-
Transcanada	-	(930,000)	-	-
TXU	1,240,000	620,000	-	1,860,000
Unocal	-	(1,472,500)	-	155,000
Utilicorp	1,472,500	(1,395,000)	(310,000)	(688,138)
WGR	155,000	(287,060)	-	(589,000)
Williams	155,000	(952,940)	-	620,000

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**Net Volume Calculations (in Dth)****Dallas Dean****Inside FERC****Jul-01**

Market Participant	Columbia Gulf Louisiana	Henry Hub	Tennessee, La. & Offshore (Zone 1)	Texas Eastern Transmission, West Louisiana Zone
Adams Resources	(310,000)	(620,000)	(465,000)	-
AEP	2,170,000	(7,386,918)	5,154,918	155,000
Amerada Hess	-	5,425,000	-	-
Avista	310,000	-	-	-
Bank of America	(310,000)	-	(310,000)	-
Bank of Montreal	(101,918)	(775,000)	-	-
BNP Paribas	380,000	-	(721,918)	-
BP Amoco	310,000	527,000	(1,860,000)	930,000
Bridgeline	465,000	310,000	310,000	-
Chevron-Texaco	(1,934,579)	6,510,000	(1,581,000)	-
Cinergy	-	(6,355,000)	-	-
CLECO	(930,000)	(1,240,000)	(310,000)	-
CMS	-	(4,340,000)	1,860,000	-
Conoco Phillips	1,831,548	(155,000)	569,013	-
CornerStone Propane	(155,000)	(310,000)	-	-
Deutsche Bank	-	-	434,000	-
Dominion	155,000	-	-	-
Duke	155,000	(2,015,000)	(2,635,000)	(1,860,000)
Dynegy	4,375,000	21,018,000	1,066,000	(1,860,000)
El Paso	(24,645,000)	(7,905,000)	(847,000)	(3,739,406)
Encana	-	(310,000)	-	-
Enron	12,493,000	(5,735,000)	2,425,998	6,510,000
Entergy Koch	465,000	2,325,000	-	-
Glencore	-	620,000	-	-
Idacorp	(1,550,000)	4,185,000	-	-
J Aron	-	101,918	310,000	-
JP Morgan Chase	(1,162,500)	-	(465,000)	-
Mieco	-	(930,000)	-	-
Mirant	465,000	(1,860,000)	(3,980,000)	-
Morgan Stanley	-	465,000	(310,000)	-
NiSource	620,000	-	604,500	-
Noble	-	-	(155,000)	-
Occidental	310,000	-	434,000	-
Oneok	-	(1,550,000)	-	-
PCS Nitrogen	-	(620,000)	-	-
PG&E	-	930,000	310,000	-
PSEG	-	-	(610,000)	-
Reliant	5,586,949	5,580,000	961,000	3,906
Sempra	(310,000)	(2,480,000)	(697,500)	-
Shell	1,240,000	465,000	670,987	-
Tenaska	-	-	(1,247,998)	-
Torch	(465,000)	-	(930,000)	-
Tractebel	(465,000)	775,000	310,000	-
Transcanada	-	-	(434,000)	-
TXU	620,000	930,000	465,000	-
Unocal	-	-	(310,000)	(310,000)
Utilicorp	77,500	(5,425,000)	1,984,000	170,500
WGR	310,000	(155,000)	-	-

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**Net Volume Calculations (in Dth)****James Patrick Phillips***Inside FERC***Jul-00**

Market Participant	Houston Ship Channel	Katy	Waha
Adams Resources	155,000	(310,000)	-
AEP	1,860,000	(155,000)	-
American Central	310,000	-	-
Anadarko	2,325,000	-	-
Axel Johnson	(2,480,000)	-	-
Bank of America	930,000	-	310,000
Bank of Montreal	1,600,701	-	-
Bank One	852,500	-	-
BNP Paribas	(1,550,000)	-	-
BP Amoco	(1,023,000)	-	(775,000)
Bridgeline	620,000	-	-
Cargill	335,008	-	-
Chevron-Texaco	870,000	-	(2,015,000)
CIBC	(310,000)	-	-
Cinergy	(465,000)	-	(930,000)
CLECO	(1,705,000)	-	-
CMS	(465,000)	-	-
ConAgra	(310,000)	-	-
Conoco Phillips	(1,240,000)	-	(155,000)
Constellation	(155,000)	-	-
Cook Inlet	-	-	(310,000)
CornerStone Propane	(310,000)	-	-
Deutsche Bank	232,500	620,000	465,000
Devon Energy	(310,000)	-	-
Duke	(2,325,000)	-	(3,410,000)
Dynegy	(4,650,000)	-	310,000
El Paso	(9,842,500)	(310,000)	15,500,000
Encana	310,000	-	930,000
Engage	155,000	-	-
Enron	22,096,754	155,000	(13,175,000)
Entergy Koch	2,635,000	465,000	465,000
J Aron	775,000	-	-
JP Morgan Chase	(930,000)	-	1,085,000
Kinder Morgan	(175,000)	930,000	(930,000)
Mirant	2,337,420	(3,255,000)	(4,867,000)
Morgan Stanley	1,240,000	-	-
NiSource	77,500	-	-
Noble	(155,000)	-	-
Occidental	310,000	-	-
OGE	-	-	310,000
Oneok	(465,000)	(620,000)	5,115,000
PG&E	(7,905,000)	-	(1,240,000)
Reliant	6,211,299	-	310,000
Richardson	(310,000)	-	620,000
Sempra	8,161,307	(310,000)	(1,705,000)
Shell	(6,019,989)	-	-
Tenaska	(372,000)	-	682,000
Tractebel	310,000	-	-
TXU	(2,402,500)	-	620,000
Utilicorp	(5,890,000)	775,000	2,635,000
WGR	930,000	(155,000)	(155,000)
Williams	(2,015,000)	-	155,000
Xcel	(1,550,000)	2,170,000	155,000
XTO Energy	(310,000)	-	-

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**Net Volume Calculations (in Dth)****James Patrick Phillips***Inside FERC***Aug-00**

Market Participant	Houston Ship Channel	Katy	Waha
Adams Resources	(310,000)	(310,000)	-
AEP	1,494,975	-	-
American Central	310,000	-	-
Anadarko	775,000	(310,000)	-
Axel Johnson	(620,000)	-	-
Bank of America	465,000	-	310,000
Bank of Montreal	1,445,701	-	-
Bank One	852,500	-	-
BNP Paribas	(4,030,000)	-	-
BP Amoco	3,782,000	-	(2,790,000)
Bridgeline	1,860,000	-	-
Cargill	335,008	-	-
Chevron-Texaco	558,000	-	(1,550,000)
CIBC	(310,000)	-	-
Cinergy	(930,000)	-	2,480,000
CLECO	930,000	-	-
CMS	620,000	-	-
ConAgra	(310,000)	-	-
Conoco Phillips	(1,922,000)	-	155,000
Constellation	(155,000)	-	-
Cook Inlet	310,000	-	-
Deutsche Bank	1,317,500	465,000	465,000
Devon Energy	(155,000)	-	-
Duke	465,000	(310,000)	310,000
Dynegy	(4,185,000)	-	2,790,000
El Paso	(16,817,500)	465,000	27,590,000
Engage	930,000	-	-
Enron	(10,934,221)	465,000	(3,565,000)
Entergy Koch	(1,895,000)	(155,000)	(1,457,000)
J Aron	(1,240,000)	-	-
JP Morgan Chase	(620,000)	-	1,085,000
Kinder Morgan	1,070,000	930,000	(930,000)
Marathon	(310,000)	-	310,000
Mirant	2,732,420	(3,255,000)	(1,405,000)
Morgan Stanley	1,285,838	(155,000)	(155,000)
NGTS	80,000	-	155,000
NiSource	232,500	-	-
Occidental	620,000	-	-
OGE	-	-	155,000
Oneok	155,000	(620,000)	2,325,000
PG&E	(6,045,000)	-	(4,340,000)
Reliant	10,350,461	-	1,240,000
Richardson	(217,000)	-	465,000
Sempra	7,076,307	(310,000)	775,000
Shell	(2,919,989)	-	62,000
Tenaska	(2,232,000)	-	1,302,000
Texla	(465,000)	-	-
Tractebel	(1,860,000)	-	(620,000)
TXU	(2,092,500)	-	930,000
Unocal	1,395,000	-	-
Utilicorp	20,367,000	1,240,000	(27,735,000)
WGR	-	(155,000)	1,240,000
Williams	(1,240,000)	-	155,000
Xcel	(310,000)	2,015,000	248,000
XTO Energy	310,000	-	-

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**Net Volume Calculations (in Dth)****James Patrick Phillips***Inside FERC***Sep-00**

Market Participant	Houston Ship Channel	Katy	Waha
Adams Resources	(300,000)	(300,000)	-
AEP	1,500,000	-	(150,000)
American Central	300,000	-	-
Anadarko	1,350,000	-	(600,000)
Axel Johnson	(1,200,000)	-	-
Bank of America	1,350,000	-	300,000
Bank of Montreal	1,549,065	-	-
Bank One	925,000	-	-
BNP Paribas	(3,600,000)	-	-
BP Amoco	(1,290,000)	-	300,000
Bridgeline	1,200,000	-	-
Cargill	324,201	-	-
Chevron-Texaco	1,650,000	-	(1,650,000)
CIBC	(300,000)	-	-
Cinergy	150,000	-	300,000
CLECO	(1,200,000)	-	-
CMS	600,000	-	-
ConAgra	(300,000)	-	-
Conoco Phillips	(2,685,000)	-	450,000
Constellation	(150,000)	-	-
Deutsche Bank	1,425,000	150,000	450,000
Devon Energy	(450,000)	-	-
Duke	(2,250,000)	-	(7,500,000)
Dynegy	(600,000)	-	300,000
El Paso	(29,775,000)	150,000	18,060,000
Encana	(300,000)	-	300,000
Engage	(150,000)	-	(450,000)
Enron	18,771,536	150,000	(4,350,000)
Entergy Koch	1,780,000	300,000	(1,710,000)
J Aron	(900,000)	-	-
JP Morgan Chase	(700,000)	-	1,350,000
Kinder Morgan	310,000	900,000	(900,000)
Mieco	900,000	-	(300,000)
Mirant	2,547,019	(3,150,000)	(750,000)
Morgan Stanley	344,359	-	-
NiSource	75,000	-	-
Occidental	300,000	-	-
OGE	-	-	150,000
Oneok	-	(600,000)	1,500,000
PG&E	(4,500,000)	-	(2,400,000)
Reliant	9,126,575	-	(750,000)
Richardson	(600,000)	-	1,650,000
Sempra	7,748,039	(300,000)	(150,000)
Shell	(2,825,796)	-	-
Tenaska	(660,000)	-	600,000
Terra	(600,000)	-	-
Tractebel	(600,000)	-	-
TXU	(825,000)	-	600,000
Unocal	150,000	-	-
Utilicorp	600,000	750,000	(8,550,000)
WGR	-	(150,000)	1,500,000
Williams	1,200,000	-	1,650,000
Xcel	285,000	2,100,000	750,000
XTO Energy	300,000	-	-

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**Net Volume Calculations (in Dth)****James Patrick Phillips***Inside FERC***Apr-01**

Market Participant	Houston Ship Channel	Katy
AEP	(5,550,000)	-
Amerada Hess	480,000	-
Anadarko	(150,000)	-
Bank of America	1,275,000	-
Bank of Montreal	1,883,836	-
Bank One	721,761	-
BNP Paribas	36,869	-
BP Amoco	450,000	-
Bridgeline	900,000	-
Chevron-Texaco	(493,699)	-
Cinergy	(50,000)	-
Citigroup	(75,000)	-
CLECO	58,879	-
Conoco Phillips	(669,041)	-
Deutsche Bank	930,000	-
Duke	150,000	-
Dynegy	(2,625,000)	-
El Paso	(4,661,450)	-
Encana	300,000	-
Enron	12,499,405	(2,700,000)
Entergy Koch	(4,680,000)	-
FPL	600,000	-
H&S Energy	300,000	-
J Aron	2,160,000	-
JP Morgan Chase	(900,000)	-
Kinder Morgan	(245,410)	(600,000)
Koch	(300,000)	-
Marathon	(195,000)	-
Mieco	300,000	-
Mirant	4,490,164	-
Morgan Stanley	2,594,359	-
NGTS	300,000	-
NiSource	600,000	-
PG&E	300,000	-
Powergen	138,574	-
Reliant	2,790,675	-
Richardson	(150,000)	-
Sempra	(1,629,922)	300,000
Shell	(4,405,000)	-
Tenaska	(460,000)	-
Tractebel	(600,000)	-
TXU	(1,320,000)	-
Utilicorp	(8,100,000)	3,000,000
WGR	150,000	-
Williams	600,000	-
Xcel	2,250,000	-

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**Net Volume Calculations (in Dth)****James Patrick Phillips****Inside FERC****May-01**

Market Participant	Houston Ship Channel	Katy	Waha
AEP	2,728,000	-	12,865,000
Anadarko	(465,000)	-	-
Bank of America	357,523	-	675,000
Bank of Montreal	1,791,630	-	-
Bank One	590,820	-	-
BNP Paribas	(23,902)	-	-
BP Amoco	(1,705,000)	-	(4,495,000)
BridgeLine	2,015,000	-	-
Chevron-Texaco	779,621	-	(799,800)
CIBC	-	-	155,000
Cinergy	1,724,057	-	(1,472,500)
Citigroup	(77,500)	-	-
CLECO	835,841	-	-
CMS	-	-	(1,705,000)
Conoco Phillips	(2,414,167)	-	-
Deutsche Bank	186,000	-	620,000
Duke	(930,000)	-	(3,565,000)
Dynegy	(697,500)	-	775,000
El Paso	26,466,600	(1,550,000)	5,496,293
Encana	310,000	-	-
Enron	(19,865,735)	1,860,000	(9,352,700)
Entergy Koch	(5,277,657)	-	248,000
FPL	620,000	-	-
H&S Energy	310,000	-	-
J Aron	2,325,000	-	-
JP Morgan Chase	(930,000)	-	620,000
Kinder Morgan	(4,798,590)	(620,000)	930,000
Koch	(620,000)	-	-
Marathon	(511,500)	-	201,500
Mirant	1,074,836	-	2,232,000
Morgan Stanley	2,680,838	-	155,000
NGTS	-	-	(155,000)
NiSource	620,000	-	-
Occidental	155,000	-	(1,085,000)
Oneok	-	-	620,000
PG&E	305,000	-	155,000
Powergen	182,280	-	-
Reliant	2,382,032	-	(310,000)
Richardson	(155,000)	-	(310,000)
Sempra	(1,016,851)	310,000	958,707
Shell	(2,867,500)	-	-
Tenaska	(1,917,000)	-	(2,681,500)
Tractebel	1,085,000	-	155,000
TXU	(1,674,000)	-	(1,860,000)
Utilicorp	(4,663,175)	-	930,000
WGR	465,000	-	1,395,000
Williams	620,000	-	(620,000)
Xcel	-	-	(775,000)

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**Net Volume Calculations (in Dth)****James Patrick Phillips***Inside FERC***Jun-01**

Market Participant	Houston Ship Channel	Katy	EPGT Texas Pipeline, Texas
Adams Resources	300,000	-	-
AEP	(7,050,000)	-	-
Bank of America	235,000	-	-
Bank of Montreal	1,733,836	-	-
Bank One	603,340	-	-
BNP Paribas	(23,131)	-	-
BP Amoco	2,250,000	-	-
Bridgeline	(900,000)	-	-
Chevron-Texaco	587,859	(90,000)	-
Cinergy	(1,106,557)	-	-
Citigroup	(75,000)	-	-
CLECO	1,108,879	-	-
Conoco Phillips	(1,869,041)	-	-
Deutsche Bank	180,000	-	-
Duke	(50,000)	-	-
Dynegy	(1,725,000)	-	-
El Paso	7,257,101	-	-
Enron	5,204,962	390,000	-
Entergy Koch	(3,911,830)	-	-
FPL	1,500,000	-	-
H&S Energy	300,000	-	-
J Aron	450,000	-	-
JP Morgan Chase	(900,000)	-	-
Kinder Morgan	(4,320,000)	(600,000)	-
Koch	(1,650,000)	-	-
Marathon	(195,000)	-	-
Mieco	1,500,000	-	-
Mirant	(900,000)	(300,000)	-
Morgan Stanley	2,444,359	-	-
NGTS	(300,000)	-	-
NiSource	600,000	-	-
Occidental	150,000	-	-
Oneok	1,200,000	-	-
Powergen	146,892	-	-
Reliant	3,137,543	-	-
Richardson	(150,000)	-	-
Sempra	1,690,790	300,000	-
Shell	(3,045,000)	-	-
Tenaska	(1,110,000)	-	-
Tractebel	1,050,000	-	-
TXU	(1,245,000)	-	-
Utilicorp	(5,550,000)	900,000	-
WGR	450,000	-	-
Xcel	1,995,000	(600,000)	-

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ATTACHMENT 1

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**Net Volume Calculations (in Dth)****James Patrick Phillips***Inside FERC***Jul-01**

Market Participant	Houston Ship Channel	Katy	EPGT Texas Pipeline, Texas
AEP	(17,745,000)	-	-
Anadarko	465,000	-	-
Bank of America	982,500	-	-
Bank of Montreal	1,171,630	-	-
Bank One	623,451	-	-
BNP Paribas	(23,902)	-	-
BP Amoco	(2,402,500)	-	-
Bridgeline	(155,000)	-	-
Cargill	1,240,000	-	-
Chevron-Texaco	1,838,678	-	-
Cinergy	(1,645,000)	-	-
Citigroup	(77,500)	-	-
CLECO	(404,159)	-	-
Conoco Phillips	(536,342)	-	-
Deutsche Bank	341,000	-	-
Duke	1,085,000	-	-
Dynegy	(387,500)	-	-
El Paso	(5,417,663)	-	-
Enron	24,119,737	620,000	-
Entergy Koch	(2,111,100)	-	-
FPL	1,550,000	-	-
Glencore	620,000	-	-
H&S Energy	310,000	-	-
J Aron	(4,030,000)	-	-
JP Morgan Chase	(1,085,000)	-	-
Kinder Morgan	(2,325,000)	(620,000)	-
Marathon	(201,500)	-	-
Mieco	(1,550,000)	-	-
Mirant	1,686,867	-	-
Morgan Stanley	2,835,838	-	-
NGTS	269,233	-	-
NiSource	310,000	-	-
Occidental	(465,000)	-	-
Oneok	-	(310,000)	-
PG&E	(5,000)	-	-
Powergen	151,788	-	-
Reliant	7,633,794	-	-
Richardson	(155,000)	-	-
Sempra	5,312,149	310,000	-
Shell	(418,500)	-	-
Tenaska	(897,000)	-	-
Tractebel	310,000	-	-
TXU	(1,286,500)	-	-
Utilicorp	(8,636,600)	-	-
Williams	(1,705,000)	-	-
Xcel	809,100	-	-

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ATTACHMENT 1

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**Net Volume Calculations (in Dth)****James Patrick Phillips***Inside FERC***Aug-01**

Market Participant	Houston Ship Channel	Katy	EPGT Texas Pipeline, Texas	Waha
AEP	4,829,000	-	-	18,367,500
Anadarko	465,000	-	-	-
Bank of America	1,012,500	-	-	1,140,000
Bank of Montreal	1,171,630	-	-	-
Bank One	778,451	-	-	-
BNP Paribas	(23,902)	-	-	-
BP Amoco	1,550,000	-	-	(10,230,000)
Cargill	1,240,000	-	-	-
Chevron-Texaco	908,678	-	-	(1,419,800)
Cinergy	(1,550,000)	-	-	(77,500)
Citigroup	(77,500)	-	-	-
CLECO	(714,159)	-	-	-
CMS	-	-	-	1,080,000
Conoco Phillips	(1,063,342)	-	-	310,000
Deutsche Bank	496,000	-	-	775,000
Duke	5,115,000	-	-	(10,075,000)
Dynegy	(2,092,500)	-	-	(620,000)
El Paso	(21,227,663)	-	-	(3,183,707)
Enron	15,543,558	620,000	-	13,277,300
Entergy Koch	(6,324,000)	-	-	1,162,500
FPL	1,550,000	-	-	-
Glencore	620,000	-	-	-
H&S Energy	310,000	-	-	-
J Aron	(8,990,000)	-	-	-
JP Morgan Chase	(1,085,000)	-	-	155,000
Kinder Morgan	(2,790,000)	(620,000)	-	930,000
Marathon	(201,500)	-	-	511,500
Mirant	2,856,264	-	-	4,495,000
Morgan Stanley	3,610,838	-	-	-
NGTS	(66,264)	-	-	-
NiSource	620,000	-	-	-
Occidental	(155,000)	-	-	(465,000)
Oneok	-	(310,000)	-	1,245,000
PG&E	(780,000)	-	-	1,085,000
Powergen	202,967	-	-	-
Reliant	6,393,794	-	-	930,000
Richardson	(155,000)	-	-	(775,000)
Sempra	2,057,149	310,000	-	(126,293)
Shell	(3,301,500)	-	-	-
Tenaska	(527,000)	-	-	(666,500)
Tractebel	1,085,000	-	-	(310,000)
TXU	(1,286,500)	-	-	(1,860,000)
Utilicorp	(1,705,000)	-	-	(16,895,000)
WGR	305,000	-	-	1,395,000
Williams	465,000	-	-	(310,000)
Xcel	930,000	-	-	155,000

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ATTACHMENT 1

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**Net Volume Calculations (in Dth)****James Patrick Phillips***Inside FERC***Sep-01**

Market Participant	Houston Ship Channel	Katy	EPGT Texas Pipeline, Texas	Waha
AEP	(8,400,000)	-	-	(7,200,000)
AIG	120,000	-	-	-
Anadarko	(300,000)	-	-	-
Bank of America	975,000	-	-	1,400,000
Bank of Montreal	833,836	-	-	-
Bank One	753,340	-	-	-
BNP Paribas	126,869	-	-	-
BP Amoco	6,000,000	-	-	(7,200,000)
Bridgeline	(3,450,000)	-	-	-
Cargill	600,000	-	-	-
Chevron-Texaco	881,301	-	-	(474,000)
Cinergy	(450,000)	-	-	(375,000)
Citigroup	(75,000)	-	-	(300,000)
CLECO	658,879	-	-	-
CMS	-	-	-	900,000
Conoco Phillips	230,959	-	-	(1,350,000)
Deutsche Bank	630,000	-	-	750,000
Duke	900,000	-	-	(5,700,000)
Dynegy	825,000	-	-	300,000
El Paso	20,407,101	300,000	-	1,122,219
Encana	300,000	-	-	-
Enron	(29,661,396)	600,000	-	11,901,000
Entergy Koch	(5,250,000)	-	-	2,175,000
FPL	600,000	-	-	-
Glencore	600,000	-	-	-
H&S Energy	300,000	-	-	-
J Aron	(1,350,000)	-	-	-
JP Morgan Chase	(450,000)	-	-	300,000
Kinder Morgan	510,000	(600,000)	-	900,000
Marathon	(195,000)	-	-	495,000
Mirant	5,020,070	-	-	4,500,000
Morgan Stanley	2,444,359	-	-	-
NGTS	979,930	-	-	450,000
NiSource	300,000	-	-	-
Occidental	(150,000)	-	-	300,000
Oneok	-	(600,000)	-	(150,000)
PG&E	300,000	-	-	(150,000)
Powergen	246,420	-	-	-
Reliant	3,937,543	-	-	900,000
Richardson	(150,000)	-	-	(150,000)
Sempra	1,240,790	300,000	-	927,781
Shell	(1,455,000)	-	-	-
Tenaska	(660,000)	-	-	3,000
Tractebel	1,950,000	-	-	1,200,000
TXU	(696,000)	-	-	(1,800,000)
Utilicorp	(1,659,000)	-	-	(5,850,000)
WGR	150,000	-	-	225,000
Williams	(570,000)	-	-	300,000
Xcel	2,100,000	-	-	1,650,000

**ATTACHMENT 2**

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**False Reporting to Inside FERC**  
**ANR Pipeline Co., Louisiana**  
**Volume Summary by Month and Transaction Data Source**

	Alliant	Duke	SET
	Volume (Dth)	Volume (Dth)	Volume (Dth)
May-00	84,294	18,309,343	2,820,000
Jun-00	154,018	20,799,193	1,380,000
Nov-00	-	1,585,481	3,340,000
Feb-02	-	-	1,870,000

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**False Reporting to Inside FERC**  
**ANR Pipeline Co., Oklahoma**  
**Volume Summary by Month and Transaction Data Source**

	Alliant	Ameren	Duke	MidAmerican	SET
	Volume (Dth)				
<b>May-00</b>	126,442	7,657	1,197,134	80,228	(1,356,032)
<b>Jun-00</b>	231,027	6,090	(1,115,970)	96,360	(1,343,000)
<b>Nov-00</b>	-	-	2,593,020	-	(1,014,164)
<b>Dec-00</b>	-	-	2,740,787	-	(1,026,100)
<b>Jan-01</b>	-	-	-	-	(18,600)
<b>Feb-02</b>	-	-	-	-	(1,600,000)

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**False Reporting to Inside FERC  
Chicago Citygate  
Volume Summary by Month and Transaction Data Source**

	Cinergy
	Volume (Dth)
Dec-00	-
Jan-01	-
Feb-02	(280,000)

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**False Reporting to Inside FERC**  
**CNG Transmission Corp., Appalachia**  
**Volume Summary by Month and Transaction Data Source**

	Duke	Keyspan	LILCO	Niagara Mohawk	SET	BG&E
	Volume (Dth)	Volume (Dth)	Volume (Dth)	Volume (Dth)	Volume (Dth)	Volume (Dth)
<b>May-00</b>	(1,732,115)	-	-	-	527,624	-
<b>Jun-00</b>	(891,000)	-	-	-	(218,701)	300
<b>Nov-00</b>	-	-	-	-	50,250	-
<b>Dec-00</b>	(100,750)	523,838	825,468	1,748,059	348,935	155,000
<b>Jan-01</b>	-	523,838	825,468	571,020	1,249,644	197,222

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**False Reporting to Inside FERC**  
**Columbia Gas Transmission Corp., Appalachia (W. Va., Ohio, Ky.)**  
**Volume Summary by Month and Transaction Data Source**

	<b>Duke</b>	<b>National Fuel</b>	<b>New Jersey Natural</b>	<b>SET</b>
	<b>Volume (Dth)</b>	<b>Volume (Dth)</b>	<b>Volume (Dth)</b>	<b>Volume (Dth)</b>
<b>May-00</b>	(8,580,636)	-	-	301,014
<b>Jun-00</b>	(6,871,800)	-	-	(228,752)
<b>Nov-00</b>	1,771,000	-	-	(69,687)
<b>Dec-00</b>	(322,536)	7,803	-	(204,006)
<b>Jan-01</b>	-	-	-	(432,047)

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**False Reporting to Inside FERC**  
**Columbia Gulf Transmission Co., Louisiana**  
**Volume Summary by Month and Transaction Data Source**

	Duke	SET	BG&E
	Volume (Dth)	Volume (Dth)	Volume (Dth)
<b>May-00</b>	(11,690,112)	5,433,041	-
<b>Jun-00</b>	(11,749,106)	1,343,940	-
<b>Jul-00</b>	(10,121,000)	1,532,888	-
<b>Sep-00</b>	4,364,280	(442,560)	900,000
<b>Dec-00</b>	(2,402,876)	(331,578)	387,500
<b>Mar-01</b>	-	1,413,910	930,000
<b>Jul-01</b>	-	1,240,000	-

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**False Reporting to Inside FERC  
El Paso Natural Gas Co, Permian Basin  
Volume Summary by Month and Transaction Data Source**

	<b>Duke</b>	<b>Socal Gas</b>
	<b>Volume (Dth)</b>	<b>Volume (Dth)</b>
<b>May-00</b>	(3,090,211)	1,819,600
<b>Jun-00</b>	(473,546)	4,996,752
<b>Dec-00</b>	(3,386,582)	10,445,410

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**False Reporting to Inside FERC  
El Paso Natural Gas Co, San Juan Basin  
Volume Summary by Month and Transaction Data Source**

	Duke	PG&E	SDG&E	Socal Gas
	Volume (Dth)	Volume (Dth)	Volume (Dth)	Volume (Dth)
<b>May-00</b>	(1,620,025)	2,475,846	210,450	15,502,760
<b>Jun-00</b>	2,313,096	750,000	218,668	17,668,922
<b>Dec-00</b>	346,059	5,494,130	-	14,797,284

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**False Reporting to Inside FERC**  
**Henry Hub**  
**Volume Summary by Month and Transaction Data Source**

	<b>Duke</b>	<b>SET</b>
	Volume (Dth)	Volume (Dth)
<b>May-00</b>	(1,403,795)	485,000
<b>Jun-00</b>	(11,916,417)	(3,450,000)
<b>Jul-00</b>	(21,321,970)	(445,000)
<b>Sep-00</b>	(15,603,025)	(860,000)
<b>Nov-00</b>	(10,587,659)	5,440,000
<b>Dec-00</b>	(7,873,700)	2,930,000
<b>Mar-01</b>	-	5,167,520
<b>Jul-01</b>	-	4,659,247

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**False Reporting to Inside FERC  
Houston Ship Channel  
Volume Summary by Month and Transaction Data Source**

	<b>Duke</b>	<b>SET</b>
	<b>Volume (Dth)</b>	<b>Volume (Dth)</b>
<b>May-00</b>	(13,863,231)	(4,929,496)
<b>Jun-00</b>	(11,770,600)	(1,664,570)
<b>Jul-00</b>	(14,313,470)	(2,796,389)
<b>Aug-00</b>	(6,462,048)	(2,718,389)
<b>Sep-00</b>	(8,155,329)	(1,642,070)
<b>Nov-00</b>	(10,399,705)	7,770,460
<b>Dec-00</b>	(11,021,782)	1,568,004
<b>Jan-01</b>	-	3,761,150
<b>Feb-01</b>	-	4,265,200
<b>Mar-01</b>	-	1,314,050
<b>Apr-01</b>	-	(1,769,730)
<b>May-01</b>	-	559,175
<b>Jun-01</b>	-	3,706,470
<b>Jul-01</b>	-	4,368,283
<b>Aug-01</b>	-	1,498,702
<b>Sep-01</b>	-	(2,658,210)
<b>Oct-01</b>	-	(1,631,206)
<b>Mar-02</b>	-	3,911,353
<b>Apr-02</b>	-	5,010,000
<b>May-02</b>	-	6,169,617

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**False Reporting to Inside FERC**  
**Katy**  
**Volume Summary by Month and Transaction Data Source**

	<b>Duke</b>	<b>SET</b>
	<b>Volume (Dth)</b>	<b>Volume (Dth)</b>
<b>May-00</b>	3,663,315	(620,000)
<b>Jun-00</b>	3,301,953	(750,000)
<b>Jul-00</b>	3,241,467	(310,000)
<b>Aug-00</b>	2,804,917	(310,000)
<b>Sep-00</b>	3,043,882	(600,000)
<b>Nov-00</b>	2,847,405	-
<b>Dec-00</b>	3,210,585	-
<b>Apr-01</b>	-	300,000
<b>May-01</b>	-	310,000
<b>Jun-01</b>	-	300,000
<b>Jul-01</b>	-	310,000
<b>Aug-01</b>	-	310,000
<b>Sep-01</b>	-	300,000
<b>Oct-01</b>	-	310,000
<b>Mar-02</b>	-	310,000
<b>Apr-02</b>	-	300,000
<b>May-02</b>	-	310,000

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**False Reporting to Inside FERC**  
**Natural Gas Pipeline Co. of America, Louisiana Zone**  
**Volume Summary by Month and Transaction Data Source**

	<b>Duke</b>	<b>SET</b>
	<b>Volume (Dth)</b>	<b>Volume (Dth)</b>
<b>May-00</b>	685,388	2,325,000
<b>Jun-00</b>	(1,997,858)	2,100,000
<b>Nov-00</b>	(865,440)	(3,150,000)
<b>Dec-00</b>	(2,366,788)	(3,255,000)
<b>Jan-01</b>	-	(2,635,000)
<b>Feb-02</b>	-	(2,100,000)

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**False Reporting to Inside FERC**  
**Natural Gas Pipeline Co. of America, Mid-Continent Zone**  
**Volume Summary by Month and Transaction Data Source**

	Alliant	Duke	MidAmerican	Midwest	SET
	Volume (Dth)				
<b>May-00</b>	149,567	13,324,464	2,012,365	1,443	(1,240,000)
<b>Jun-00</b>	207,212	7,647,578	1,878,300	953	1,556,820
<b>Nov-00</b>	-	(3,396,283)	-	-	(705,000)
<b>Dec-00</b>	-	1,710,689	-	-	(32,643)
<b>Jan-01</b>	-	-	-	-	(263,500)
<b>Feb-02</b>	-	-	-	-	1,575,000

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**False Reporting to Inside FERC**  
**Natural Gas Pipeline Co of America, South Texas**  
**Volume Summary by Month and Transaction Data Source**

	SET
	Volume (Dth)
Mar-02	(1,860,000)
Apr-02	(2,100,000)
May-02	(2,170,000)

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**False Reporting to Inside FERC**  
**Natural Gas Pipeline Co. of America, Texok Zone**  
**Volume Summary by Month and Transaction Data Source**

	Alliant	Duke	MidAmerican	SET
	Volume (Dth)	Volume (Dth)	Volume (Dth)	Volume (Dth)
<b>May-00</b>	48,045	632,130	364,746	(930,000)
<b>Jun-00</b>	88,141	270,930	165,060	2,550,000
<b>Dec-00</b>	-	(1,158,222)	-	155,000
<b>Jan-01</b>	-	-	-	620,000
<b>Feb-02</b>	-	-	-	75,600

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**False Reporting to Inside FERC  
Northern Natural Gas Co., Demarcation  
Volume Summary by Month and Transaction Data Source**

	Alliant	Duke	MidAmerican	SET
	Volume (Dth)	Volume (Dth)	Volume (Dth)	Volume (Dth)
<b>May-00</b>	13,983	(1,310,266)	1,535,169	280,000
<b>Jun-00</b>	198,510	(258,993)	478,370	750,010
<b>Jan-01</b>	-	-	-	(372,000)

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**False Reporting to Inside FERC**  
**Northern Natural Gas Co., Ventura, Iowa**  
**Volume Summary by Month and Transaction Data Source**

	Alliant	MidAmerican	SET
	Volume (Dth)	Volume (Dth)	Volume (Dth)
May-00	530,149	337,181	852,500
Jun-00	838,568	719,779	465,824
Jan-01	-	-	(1,242,882)

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**False Reporting to Inside FERC**  
**Oneok Gas Transportation LLC, Oklahoma**  
**Volume Summary by Month and Transaction Data Source**

	<b>Duke</b>	<b>SET</b>
	<b>Volume (Dth)</b>	<b>Volume (Dth)</b>
<b>May-00</b>	235,535	(30,000)
<b>Jun-00</b>	(104,034)	570,000
<b>Nov-00</b>	(778,631)	380,010
<b>Dec-00</b>	1,448,722	88,358
<b>Feb-02</b>	-	-

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**False Reporting to Inside FERC**  
**Panhandle Eastern Pipeline Co., Texas, Oklahoma (Mainline)**  
**Volume Summary by Month and Transaction Data Source**

	<b>Ameren</b>	<b>Duke</b>	<b>MidAmerican</b>	<b>Midwest</b>	<b>SET</b>
	<b>Volume (Dth)</b>				
<b>May-00</b>	465,000	18,801,072	35,488	(1,170)	(1,087,500)
<b>Jun-00</b>	900,000	16,021,127	32,715	(37,620)	(175,000)
<b>Nov-00</b>	-	21,365,716	-	-	4,645,000
<b>Dec-00</b>	-	13,255,555	-	-	2,266,340
<b>Jan-01</b>	-	-	-	-	1,365,030
<b>Feb-02</b>	-	-	-	-	(180,000)

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**False Reporting to Inside FERC**  
**Reliant Energy Gas Transmission Co., East**  
**Volume Summary by Month and Transaction Data Source**

	<b>Duke</b>	<b>SET</b>
	<b>Volume (Dth)</b>	<b>Volume (Dth)</b>
<b>May-00</b>	1,835,016	(1,137,000)
<b>Jun-00</b>	1,827,845	(726,000)
<b>Nov-00</b>	1,608,254	(890,000)
<b>Dec-00</b>	1,233,239	(300,000)

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**False Reporting to Inside FERC  
Southern Natural Gas Co., Louisiana  
Volume Summary by Month and Transaction Data Source**

	SET
	Volume (Dth)
Nov-00	(2,100,000)
Jan-01	(3,012,500)
Mar-01	(2,570,000)

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**False Reporting to Inside FERC**  
**Tennessee Gas Pipeline Co., La. & Offshore (Zone 1)**  
**Volume Summary by Month and Transaction Data Source**

	<b>Duke</b>	<b>SET</b>
	<b>Volume (Dth)</b>	<b>Volume (Dth)</b>
Jul-00	8,142,814	264,883
Sep-00	6,297,959	(1,860,000)
Dec-00	2,528,812	(1,300,846)
Jul-01	-	1,717,930

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**False Reporting to Inside FERC**  
**Tennessee Gas Pipeline, Texas (Zone 0)**  
**Volume Summary by Month and Transaction Data Source**

	Duke	
	Volume (Dth)	
Jun-00		1,149,105
Sep-00		(583,830)

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**False Reporting to Inside FERC**  
**Texas Eastern Transmission Corp., East Louisiana Zone**  
**Volume Summary by Month and Transaction Data Source**

	<b>Duke</b>	<b>SET</b>
	Volume (Dth)	Volume (Dth)
<b>May-00</b>	4,877,217	448,789
<b>Jun-00</b>	3,327,620	553,499
<b>Jul-00</b>	5,135,971	185,470
<b>Sep-00</b>	1,817,864	(1,190,130)
<b>Nov-00</b>	2,861,626	(390,530)
<b>Dec-00</b>	4,420,904	(38,440)
<b>Jan-01</b>	-	(931,240)
<b>Mar-01</b>	-	(251,255)

HIGHLY CONFIDENTIAL

**False Reporting to Inside FERC  
Texas Eastern Transmission Corp., East Texas Zone  
Volume Summary by Month and Transaction Data Source**

	SET
	Volume (Dth)
Dec-00	(54,560)

HIGHLY CONFIDENTIAL

**False Reporting to Inside FERC  
Texas Eastern Transmission Corp., SouthTexas Zone  
Volume Summary by Month and Transaction Data Source**

	<b>Duke</b>	<b>SET</b>
	<b>Volume (Dth)</b>	<b>Volume (Dth)</b>
<b>Sep-00</b>	6,063,825	(497,931)

HIGHLY CONFIDENTIAL

**False Reporting to Inside FERC**  
**Texas Eastern Transmission Corp., West Louisiana Zone**  
**Volume Summary by Month and Transaction Data Source**

	SET
	Volume (Dth)
Nov-00	28,201
Dec-00	84,320
Jul-01	96,348

HIGHLY CONFIDENTIAL

**False Reporting to Inside FERC**  
**Texas Eastern Zone M-3**  
**Volume Summary by Month and Transaction Data Source**

	<b>Duke</b>	<b>New Jersey Natural</b>	<b>SET</b>
	<b>Volume (Dth)</b>	<b>Volume (Dth)</b>	<b>Volume (Dth)</b>
<b>May-00</b>	(19,431)	620,000	-
<b>Jun-00</b>	821,000	1,200,000	(300,000)
<b>Nov-00</b>	(2,705,600)	(150,000)	540,000
<b>Dec-00</b>	(7,527,895)	(621,550)	992,000
<b>Jan-01</b>	-	(621,550)	1,782,128

HIGHLY CONFIDENTIAL

**False Reporting to Inside FERC  
Texas Gas Transmission Corp., Zone 1  
Volume Summary by Month and Transaction Data Source**

	Duke	SET
	Volume (Dth)	Volume (Dth)
Dec-00	(3,210,946)	96,814

HIGHLY CONFIDENTIAL

**False Reporting to Inside FERC**  
**Texas Gas Transmission Corp., Zone SL**  
**Volume Summary by Month and Transaction Data Source**

	<b>Duke</b>	<b>SET</b>
	<b>Volume (Dth)</b>	<b>Volume (Dth)</b>
<b>May-00</b>	253,425	(372,000)
<b>Jun-00</b>	(2,194,250)	(2,220,000)
<b>Jan-01</b>	-	(62,000)

HIGHLY CONFIDENTIAL

**False Reporting to Inside FERC**  
**Transco Zone 6**  
**Volume Summary by Month and Transaction Data Source**

	Duke	Keyspan	LIPA	National Fuel	SET
	Volume (Dth)	Volume (Dth)	Volume (Dth)	Volume (Dth)	Volume (Dth)
<b>May-00</b>	465,000	-	-	-	(356,500)
<b>Jun-00</b>	1,001,000	-	-	-	(390,000)
<b>Nov-00</b>	(8,729,500)	-	600,000	-	690,000
<b>Dec-00</b>	(6,695,382)	310,000	930,000	-	480,500
<b>Jan-01</b>	-	-	465,000	-	496,062

HIGHLY CONFIDENTIAL

**False Reporting to Inside FERC**  
**Transcontinental Gas Pipeline Corp., Zone 3 (pooling points)**  
**Volume Summary by Month and Transaction Data Source**

	Duke	SET	Socal Gas	BG&E
	Volume (Dth)	Volume (Dth)	Volume (Dth)	Volume (Dth)
<b>May-00</b>	12,693,012	(3,203,788)	-	-
<b>Jun-00</b>	8,931,285	(2,035,440)	-	-
<b>Jul-00</b>	7,651,885	(2,060,488)	-	-
<b>Sep-00</b>	1,357,533	514,560	-	70,290
<b>Jan-01</b>	-	(5,560,842)	(310,000)	775,000

HIGHLY CONFIDENTIAL

**False Reporting to Inside FERC**  
**Trunkline Gas Co., Louisiana**  
**Volume Summary by Month and Transaction Data Source**

	SET
	Volume (Dth)
May-00	-
Jun-00	886,500
Nov-00	-
Feb-02	1,820,000

HIGHLY CONFIDENTIAL

**False Reporting to Inside FERC  
Trunkline Gas Co., Texas  
Volume Summary by Month and Transaction Data Source**

	SET
	Volume (Dth)
Mar-02	2,542,000
Apr-02	2,100,000
May-02	2,170,000

HIGHLY CONFIDENTIAL

**False Reporting to Inside FERC**  
**Waha**  
**Volume Summary by Month and Transaction Data Source**

	Duke	SET	Socal Gas
	Volume (Dth)	Volume (Dth)	Volume (Dth)
<b>May-00</b>	(943,592)	(1,711,167)	-
<b>Jun-00</b>	1,617,720	(2,266,167)	-
<b>Jul-00</b>	3,278,572	(2,641,167)	-
<b>Aug-00</b>	8,535,277	(471,167)	-
<b>Sep-00</b>	(2,582,851)	(1,966,167)	5,043,328
<b>Nov-00</b>	(1,245,038)	(1,966,167)	1,304,051
<b>Dec-00</b>	(3,668,946)	(1,085,000)	-
<b>Jan-01</b>	-	(2,446,000)	930,000
<b>Feb-01</b>	-	(1,256,000)	-
<b>Mar-01</b>	-	(1,671,000)	-
<b>May-01</b>	-	(431,000)	-
<b>Aug-01</b>	-	(1,671,000)	-
<b>Sep-01</b>	-	(126,000)	(750,000)
<b>Oct-01</b>	-	(121,000)	-
<b>Mar-02</b>	-	(1,609,500)	-
<b>Apr-02</b>	-	(442,000)	-
<b>May-02</b>	-	(447,000)	-

HIGHLY CONFIDENTIAL

**False Reporting to Natural Gas Intelligence  
Chicago Citygate  
Volume Summary by Month and Transaction Data Source**

	Ameren	Cinergy	Peoples Gas	SET	Wisconsin Electric	Wisconsin Gas
	Volume (Dth)	Volume (Dth)				
Dec-00	-	(7,750,000)	9,376,961	(3,595,450)	1,032,114	4,370,763
Jan-01	745,000	(17,825,000)	14,076,107	(2,567,405)	1,032,114	4,533,905

HIGHLY CONFIDENTIAL

**False Reporting to Natural Gas Intelligence  
El Paso non-Bonded  
Volume Summary by Month and Transaction Data Source**

	Socal Gas
	Volume (Dth)
Dec-00	2,462,950

HIGHLY CONFIDENTIAL

**False Reporting to Natural Gas Intelligence  
PG&E Citygate  
Volume Summary by Month and Transaction Data Source**

	SET
	Volume (Dth)
Dec-00	265,735

HIGHLY CONFIDENTIAL

**False Reporting to Natural Gas Intelligence  
Southern Cal. Border Avg.  
Volume Summary by Month and Transaction Data Source**

	Duke	PG&E	SDG&E	SET	Socal Gas
	Volume (Dth)				
Dec-00	(6,372,254)	22,388,975	33,666	871,047	5,360,440

**ATTACHMENT 3**

HIGHLY CONFIDENTIAL

**Price Effects (in \$/Dth)**  
**Due to False Reporting**

Location	Month	Index Publisher	Published Index Price	Volume Weighted Average from Inside FERC Spreadsheet	Volume Weighted Average Without False Reports	Change in Volume Weighted Average After Removal of False Reports
[1]	[2]	[3]	[4]	[5]	[6]	[7] = [6] - [5]
Katy	Dec-00	Inside FERC	\$ 5.95	\$ 5.95	\$ 6.03	\$ 0.08
Texas Eastern Zone M-3	Jan-01	Inside FERC	\$ 13.88	\$ 13.88	\$ 14.07	\$ 0.19
Waha	Feb-01	Inside FERC	\$ 6.41	\$ 6.41	\$ 6.46	\$ 0.05

**ATTACHMENT 4**

HIGHLY CONFIDENTIAL

ATTACHMENT 4

Page 1 of 1

**Total Losses Using Net Exposure***Inside FERC*

Price Change	KATY Dec-00	Texas Eastern Zone M-3		WAHA Feb-01
		Jan-01	\$0.19	
AEP	\$	- \$	(91,177)	\$ 7,000
Amerada Hess	\$	- \$	53,010	\$ -
Axel Johnson	\$	- \$	(147,250)	\$ -
Bank of America	\$	- \$	-	\$ 31,000
Bank of Montreal	\$	- \$	-	\$ (24,000)
BNP Paribas	\$	- \$	117,800	\$ -
BP Amoco	\$	- \$	(117,800)	\$ (819,000)
Calpine	\$	- \$	(176,700)	\$ -
Chevron-Texaco	\$	- \$	44,175	\$ (21,000)
CIBC	\$	- \$	-	\$ 7,000
Cinergy	\$	- \$	-	\$ 147,000
CMS	\$	- \$	58,900	\$ -
Con Ed	\$	- \$	14,725	\$ -
Conoco Phillips	\$	- \$	-	\$ 7,000
Deutsche Bank	\$	- \$	-	\$ 56,000
Dominion	\$	- \$	23,275	\$ -
DTE Energy	\$	- \$	29,450	\$ -
Duke	\$	- \$	(39,397)	\$ (217,000)
Dynegy	\$	- \$	(88,350)	\$ 35,000
El Paso	\$	- \$	733,590	\$ 489,204
Engage	\$	- \$	(103,193)	\$ -
Enron	\$	- \$	(933,565)	\$ 411,100
Entergy Koch	\$	- \$	(431,803)	\$ 53,200
Equitable	\$	- \$	50,065	\$ -
J Aron	\$	- \$	(194,750)	\$ -
JP Morgan Chase	\$	- \$	-	\$ 56,000
Kinder Morgan	\$	- \$	-	\$ 56,000
Mieco	\$	- \$	(58,900)	\$ -
Mirant	\$	- \$	380,285	\$ (28,700)
Morgan Stanley	\$	- \$	88,350	\$ -
NGTS	\$	- \$	-	\$ 7,000
NiSource	\$	- \$	250,325	\$ -
NJR Energy	\$	- \$	(58,900)	\$ -
NUI	\$	- \$	(88,350)	\$ -
Oneok	\$	(24,800)	\$ -	\$ (21,000)
Pepco	\$	- \$	206,150	\$ -
PG&E	\$	- \$	385,795	\$ 56,000
PPL	\$	- \$	23,560	\$ -
Reliant	\$	- \$	106,020	\$ 63,000
Sempra	\$	- \$	129,580	\$ 4,796
Shell	\$	- \$	58,900	\$ -
Tenaska	\$	- \$	-	\$ 8,400
Tractebel	\$	- \$	(20,615)	\$ -
Transcanada	\$	- \$	(220,875)	\$ -
TXU	\$	- \$	(173,755)	\$ 24,500
Utilicorp	\$	(12,400)	\$ (88,350)	\$ (365,400)
WGR	\$	- \$	-	\$ (1,400)
Williams	\$	- \$	279,775	\$ (28,000)
Xcel	\$	37,200	\$ -	\$ 6,300
<b>Loss By Instance</b>	<b>\$</b>	<b>(37,200)</b>	<b>\$ (3,033,730)</b>	<b>\$ (1,525,500)</b>

**ATTACHMENT 5**

HIGHLY CONFIDENTIAL

**False Reporting to Inside FERC**  
**Loss Summary by Location, Month and Transaction Data Source**

Location	Month	Price Effect (\$/Dth)	Duke		New Jersey Natural		SET	
			Gain/Loss (\$)		Gain/Loss (\$)		Gain/Loss (\$)	
Katy	Dec-00	\$ 0.08	\$ 256,847	\$ -	\$ -	\$ -	\$ -	\$ -
Texas Eastern Zone M-3	Jan-01	\$ 0.19	\$ -	\$ (118,095)	\$ 338,604			
Waha	Feb-01	\$ 0.05	\$ -	\$ -	\$ -	\$ (62,800)		

## EXHIBIT B

## El Paso's Gains (Losses) from Defendants' False Reporting

	False Reporting to Inside FERC Attributed to Defendant	False Reporting to NGI Attributed to Defendant	Total
Mr. Brooks	\$ 5,660,856	\$ 6,087,485	\$ 11,748,341
Mr. Phillips	\$ 3,020,997	-	\$ 3,020,997
Mr. Walton	\$ 3,151,024	-	\$ 3,151,024

## El Paso's Gains (Losses) from Defendants' False Reporting to Inside FERC

Reported By	Count	Month	Location	Publication	El Paso Position		El Paso Gain / Loss [\$s]	Mr. Brooks?	Mr. Phillips?	Mr. Walton?
					Price Effect (\$/MMBtu)	(Contract Equivalents)				
					[5]	[6]	[7]	[8] = -[6]*[7]*10,000		
James Brooks	1	May-00	ANR Louisiana	IF	\$ (0.01)	370.1 \$	37,010	Y	N	N
James Brooks	1	May-00	ANR Oklahoma	IF	\$ -	(39.7) \$	-	Y	N	N
James Brooks	1	May-00	CNG Transmission Appalachia	IF	\$ -	(70.8) \$	-	Y	N	N
James Brooks	1	May-00	Col Gas Appalachia (W. Va., Ohio, Ky.)	IF	\$ -	(228.5) \$	-	Y	N	N
James Brooks	1	May-00	Columbia Gulf Louisiana	IF	\$ -	511.6 \$	-	Y	N	N
James Brooks	1	May-00	Northern Natural Gas, Demarcation	IF	\$ -	(931.8) \$	-	Y	N	N
James Brooks	1	May-00	Texas Eastern Transmission, East Louisiana Zone	IF	\$ -	778.4 \$	-	Y	N	N
James Brooks	1	May-00	El Paso Natural Gas Co, Permian Basin	IF	\$ 0.01	(2553.8) \$	253,580	Y	N	N
James Brooks	1	May-00	El Paso Natural Gas Co, San Juan Basin	IF	\$ -	1380.3 \$	-	Y	N	N
James Brooks	1	May-00	Henry Hub	IF	\$ -	(3415.1) \$	-	Y	N	N
James Brooks	1	May-00	Katy	IF	\$ (0.01)	278.1 \$	27,810	Y	N	N
James Brooks	1	May-00	Natural Gas Pipeline, Louisiana Zone	IF	\$ -	1058.2 \$	-	Y	N	N
James Brooks	1	May-00	Natural Gas Pipeline, Mid-Continent Zone	IF	\$ (0.01)	(31.0) \$	(310)	Y	N	N
James Brooks	1	May-00	Reliant, East	IF	\$ (0.01)	129.4 \$	12,940	Y	N	N
James Brooks	1	May-00	Oneok Gas Transportation, Oklahoma	IF	\$ (0.02)	(149.4) \$	(29,880)	Y	N	N
James Brooks	1	May-00	Panhandle, Texas, Oklahoma (Mainline)	IF	\$ -	3100.5 \$	-	Y	N	N
James Brooks	1	May-00	Houston Ship Channel	IF	\$ -	969.7 \$	-	Y	N	N
James Brooks	1	May-00	Southern California Gas Co.	IF	\$ -	0.0 \$	-	Y	N	N
James Brooks	1	May-00	Texas Eastern Zone M-3	IF	\$ (0.01)	(308.7) \$	(30,870)	Y	N	N
James Brooks	1	May-00	Texas Gas, Zone SL	IF	\$ -	(657.3) \$	-	Y	N	N
James Brooks	1	May-00	Transcontinental, Zone 3 (pooling points)	IF	\$ -	(824.8) \$	-	Y	N	N
James Brooks	1	May-00	Transco Zone 6	IF	\$ -	261.5 \$	-	Y	N	N
James Brooks	1	May-00	Trunkline, Louisiana	IF	\$ -	(1613.5) \$	-	Y	N	N
James Brooks	1	May-00	Natural Gas Pipeline, Texok Zone	IF	\$ (0.01)	159.4 \$	15,940	Y	N	N
James Brooks	1	May-00	Northern Natural Gas, Ventura, Iowa	IF	\$ (0.01)	(1032.3) \$	(103,230)	Y	N	N
James Brooks	1	May-00	Waha	IF	\$ -	27.5 \$	-	Y	N	N
James Brooks	1	Jun-00	ANR Louisiana	IF	\$ -	240.8 \$	-	Y	N	N
James Brooks	1	Jun-00	ANR Oklahoma	IF	\$ (0.01)	257.9 \$	25,790	Y	N	N
James Brooks	1	Jun-00	CNG Transmission Appalachia	IF	\$ (0.03)	(36.8) \$	(11,040)	Y	N	N
James Brooks	1	Jun-00	Col Gas Appalachia (W. Va., Ohio, Ky.)	IF	\$ (0.02)	(98.4) \$	(19,680)	Y	N	N
James Brooks	1	Jun-00	Columbia Gulf Louisiana	IF	\$ -	630.5 \$	-	Y	N	N
James Brooks	1	Jun-00	Northern Natural Gas, Demarcation	IF	\$ -	(1261.7) \$	-	Y	N	N
James Brooks	1	Jun-00	El Paso Natural Gas Co, Permian Basin	IF	\$ -	(1275.5) \$	-	Y	N	N
James Brooks	1	Jun-00	El Paso Natural Gas Co, San Juan Basin	IF	\$ (0.03)	4783.8 \$	1,435,140	Y	N	N
James Brooks	1	Jun-00	Texas Eastern Transmission, East Louisiana Zone	IF	\$ (0.01)	869.5 \$	86,950	Y	N	N
James Brooks	1	Jun-00	Henry Hub	IF	\$ -	(1686.0) \$	-	Y	N	N
James Brooks	1	Jun-00	Katy	IF	\$ -	393.5 \$	-	Y	N	N
James Brooks	1	Jun-00	Natural Gas Pipeline, Louisiana Zone	IF	\$ -	(754.8) \$	-	Y	N	N
James Brooks	1	Jun-00	Natural Gas Pipeline, Mid-Continent Zone	IF	\$ 0.01	(243.1) \$	24,310	Y	N	N
James Brooks	1	Jun-00	Reliant, East	IF	\$ -	80.2 \$	-	Y	N	N
James Brooks	1	Jun-00	Oneok Gas Transportation, Oklahoma	IF	\$ (0.02)	(36.3) \$	(7,260)	Y	N	N
James Brooks	1	Jun-00	Panhandle, Texas, Oklahoma (Mainline)	IF	\$ -	1410.5 \$	-	Y	N	N
James Brooks	1	Jun-00	Houston Ship Channel	IF	\$ -	1582.3 \$	-	Y	N	N
James Brooks	1	Jun-00	Tennessee, Texas (Zone 0)	IF	\$ 0.01	(736.3) \$	73,630	Y	N	N
James Brooks	1	Jun-00	Texas Eastern Zone M-3	IF	\$ (0.01)	(160.1) \$	(16,010)	Y	N	N
James Brooks	1	Jun-00	Texas Gas, Zone SL	IF	\$ -	(531.2) \$	-	Y	N	N
James Brooks	1	Jun-00	Transcontinental, Zone 3 (pooling points)	IF	\$ -	(512.8) \$	-	Y	N	N
James Brooks	1	Jun-00	Transco Zone 6	IF	\$ -	(125.0) \$	-	Y	N	N
James Brooks	1	Jun-00	Trunkline, Louisiana	IF	\$ -	(1794.9) \$	-	Y	N	N
James Brooks	1	Jun-00	Natural Gas Pipeline, Texok Zone	IF	\$ (0.01)	309.4 \$	30,940	Y	N	N
James Brooks	1	Jun-00	Northern Natural Gas, Ventura, Iowa	IF	\$ -	(339.0) \$	-	Y	N	N
James Brooks	1	Jun-00	Southern California Gas Co.	IF	\$ 0.03	0.0 \$	-	Y	N	N
James Brooks	1	Jun-00	Waha	IF	\$ (0.01)	(337.1) \$	(33,710)	Y	N	N
Mr. Han's Reporting to Inside FERC (Count 2)	2	Nov-00	Col Gas Appalachia (W. Va., Ohio, Ky.)	IF	\$ (0.01)	291.1 \$	29,110	Y	N	N
Mr. Han's Reporting to Inside FERC (Count 2)	2	Nov-00	CNG Transmission Appalachia	IF	\$ (0.02)	778.2 \$	155,634	Y	N	N
Mr. Han's Reporting to Inside FERC (Count 2)	2	Nov-00	Texas Eastern Zone M-3	IF	\$ (0.02)	863.4 \$	172,684	Y	N	N
Mr. Han's Reporting to Inside FERC (Count 2)	2	Nov-00	Transco Zone 6	IF	\$ 0.01	49.3 \$	(4,929)	Y	N	N
Mr. Burwell's Reporting to Inside FERC (Count 3)	3	Nov-00	ANR Louisiana	IF	\$ 0.01	(209.4) \$	20,935	Y	N	N
Mr. Burwell's Reporting to Inside FERC (Count 3)	3	Nov-00	Trunkline, Louisiana	IF	\$ (0.01)	121.4 \$	12,139	Y	N	N
Mr. Burwell's Reporting to Inside FERC (Count 3)	3	Nov-00	Natural Gas Pipeline, Louisiana Zone	IF	\$ (0.01)	(39.8) \$	(3,983)	Y	N	N
Mr. Burwell's Reporting to Inside FERC (Count 3)	3	Nov-00	ANR Oklahoma	IF	\$ (0.01)	219.7 \$	21,965	Y	N	N
Mr. Burwell's Reporting to Inside FERC (Count 3)	3	Nov-00	Panhandle, Texas, Oklahoma (Mainline)	IF	\$ 0.01	(106.6) \$	10,662	Y	N	N
Mr. Burwell's Reporting to Inside FERC (Count 3)	3	Nov-00	Natural Gas Pipeline, Mid-Continent Zone	IF	\$ 0.02	(343.7) \$	68,738	Y	N	N
Mr. Burwell's Reporting to Inside FERC (Count 3)	3	Nov-00	Reliant, East	IF	\$ (0.01)	135.5 \$	13,547	Y	N	N
Mr. Burwell's Reporting to Inside FERC (Count 3)	3	Nov-00	Oneok Gas Transportation, Oklahoma	IF	\$ -	(139.3) \$	-	Y	N	N
Mr. Dean's Reporting to Inside FERC (Count 4)	4	Nov-00	Henry Hub	IF	\$ -	(700.9) \$	-	Y	N	Y
Mr. Dean's Reporting to Inside FERC (Count 4)	4	Nov-00	Southern Natural Gas, Louisiana	IF	\$ -	(425.0) \$	-	Y	N	Y
Mr. Dean's Reporting to Inside FERC (Count 4)	4	Nov-00	Texas Eastern Transmission, East Louisiana Zone	IF	\$ -	(564.5) \$	-	Y	N	Y
Mr. Dean's Reporting to Inside FERC (Count 4)	4	Nov-00	Texas Eastern Transmission, West Louisiana Zone	IF	\$ -	235.0 \$	-	Y	N	Y
Ms. O'Toole's Reporting to Inside FERC (Count 5)	5	Nov-00	Houston Ship Channel	IF	\$ -	(1501.0) \$	-	Y	Y	Y
Ms. O'Toole's Reporting to Inside FERC (Count 5)	5	Nov-00	Katy	IF	\$ 0.01	111.7 \$	(11,173)	Y	Y	Y
Ms. O'Toole's Reporting to Inside FERC (Count 5)	5	Nov-00	Waha	IF	\$ 0.02	(857.6) \$	171,510	Y	Y	Y

## El Paso's Gains (Losses) from Defendants' False Reporting to Inside FERC

Reported By	Count	Month	Location	Publication	Price Effect (\$/MMBtu)		El Paso Position (Contract Equivalents)		El Paso Gain / Loss (\$s)	Mr. Brooks?	Mr. Phillips?	Mr. Walton?
					[5]	[6]	[7]	[8] = [-6]*[7]*10,000				
[1]	[2]	[3]	[4]									
Ms. Reitze's Reporting to Inside FERC (Count 6)	Alison Reitze	6	Dec-00	Southern California Gas Co.	IF	\$ 0.01	0.0 \$	-	Y	N	N	N
	Alison Reitze	6	Dec-00	El Paso Natural Gas Co, San Juan Basin	IF	\$ 0.01	(199.4) \$	19,939	Y	N	N	N
	Alison Reitze	6	Dec-00	El Paso Natural Gas Co, Permian Basin	IF	\$ 0.02	(332.1) \$	66,418	Y	N	N	N
Mr. Guilbault's Reporting to Inside FERC (Count 8)	Don Guilbault	8	Dec-00	Henry Hub	IF	\$ -	(1453.0) \$	-	Y	N	Y	Y
	Don Guilbault	8	Dec-00	Texas Eastern Transmission, East Louisiana Zone	IF	\$ -	(200.3) \$	-	Y	N	Y	Y
	Don Guilbault	8	Dec-00	Texas Eastern Transmission, West Louisiana Zone	IF	\$ -	470.1 \$	-	Y	N	Y	Y
	Don Guilbault	8	Dec-00	Texas Eastern Transmission, East Texas Zone	IF	\$ -	(72.7) \$	-	Y	N	Y	Y
	Don Guilbault	8	Dec-00	Tennessee, La. & Offshore (Zone 1)	IF	\$ -	(78.0) \$	-	Y	N	Y	Y
Mr. Patrick Phillips's Reporting to Inside FERC (Count 9)	Don Guilbault	8	Dec-00	Columbia Gulf Louisiana	IF	\$ 0.01	(645.8) \$	64,578	Y	N	Y	Y
	Don Guilbault	8	Dec-00	Texas Gas, Zone 1	IF	\$ -	(18.2) \$	-	Y	N	Y	Y
	James Patrick Phillips	9	Dec-00	Houston Ship Channel	IF	\$ 0.01	98.9 \$	(9,887)	Y	Y	Y	Y
	James Patrick Phillips	9	Dec-00	Katy	IF	\$ 0.08	308.0 \$	(246,368)	Y	Y	Y	Y
Ms. O'Toole's Reporting to Inside FERC (Count 10)	Sharon O'Toole	10	Dec-00	Waha	IF	\$ -	117.1 \$	-	Y	Y	Y	Y
	Chris Bakkenist	11	Dec-00	Chicago Citygate	IF	\$ 0.01	0.0 \$	-	Y	N	N	N
Mr. Bakkenist's Reporting to Inside FERC (Count 11)	Chris Bakkenist	11	Dec-00	Southern Michigan Citygate	IF	\$ (0.02)	0.0 \$	-	Y	N	N	N
	Chris Bakkenist	11	Dec-00	ANR Oklahoma	IF	\$ (0.01)	247.1 \$	24,707	Y	N	N	N
	Chris Bakkenist	11	Dec-00	Panhandle, Texas, Oklahoma (Mainline)	IF	\$ -	700.0 \$	-	Y	N	N	N
	Chris Bakkenist	11	Dec-00	Natural Gas Pipeline, Mid-Continent Zone	IF	\$ -	(186.0) \$	-	Y	N	N	N
	Chris Bakkenist	11	Dec-00	Oneok Gas Transportation, Oklahoma	IF	\$ -	(141.5) \$	-	Y	N	N	N
	Chris Bakkenist	11	Dec-00	Reliant, East	IF	\$ -	(263.7) \$	-	Y	N	N	N
	Chris Bakkenist	11	Dec-00	Natural Gas Pipeline, Texok Zone	IF	\$ -	(540.8) \$	-	Y	N	N	N
	Chris Bakkenist	11	Dec-00	Natural Gas Pipeline, Louisiana Zone	IF	\$ -	540.4 \$	-	Y	N	N	N
	Bill Ham	13	Dec-00	Col Gas Appalachia (W. Va., Ohio, Ky.)	IF	\$ 0.01	440.7 \$	(44,070)	Y	N	N	N
Mr. Ham's Reporting to Inside FERC (Count 13)	Bill Ham	13	Dec-00	CNG Transmission Appalachia	IF	\$ -	294.9 \$	-	Y	N	N	N
	Bill Ham	13	Dec-00	Texas Eastern Zone M-3	IF	\$ -	626.0 \$	-	Y	N	N	N
	Bill Ham	13	Dec-00	Transco Zone 6	IF	\$ -	124.6 \$	-	Y	N	N	N
	Sharon O'Toole	14	Jan-01	Houston Ship Channel	IF	\$ 0.03	(863.8) \$	259,143	Y	Y	Y	Y
Ms. O'Toole's Reporting to Inside FERC (Count 14)	Sharon O'Toole	14	Jan-01	Waha	IF	\$ (0.02)	(62.7) \$	(12,534)	Y	Y	Y	Y
	Dallas Dean	15	Jan-01	Texas Gas, Zone SL	IF	\$ -	(339.7) \$	-	Y	N	Y	Y
Mr. Dean's Reporting to Inside FERC (Count 15)	Dallas Dean	15	Jan-01	Southern Natural Gas, Louisiana	IF	\$ (0.01)	(431.0) \$	(43,097)	Y	N	Y	Y
	Dallas Dean	15	Jan-01	Texas Eastern Transmission, East Louisiana Zone	IF	\$ -	(1462.2) \$	-	Y	N	Y	Y
	Dallas Dean	15	Jan-01	Transcontinental, Zone 3 (pooling points)	IF	\$ -	(892.2) \$	-	Y	N	Y	Y
Mr. Ham's Reporting to Inside FERC (Count 16)	Bill Ham	16	Jan-01	Col Gas Appalachia (W. Va., Ohio, Ky.)	IF	\$ (0.02)	175.6 \$	35,120	Y	N	N	N
	Bill Ham	16	Jan-01	CNG Transmission Appalachia	IF	\$ 0.01	852.0 \$	(85,201)	Y	N	N	N
	Bill Ham	16	Jan-01	Texas Eastern Zone M-3	IF	\$ 0.19	345.9 \$	(657,134)	Y	N	N	N
	Bill Ham	16	Jan-01	Transco Zone 6	IF	\$ (0.08)	393.4 \$	314,728	Y	N	N	N

## El Paso's Gains (Losses) from Defendants' False Reporting to Inside FERC

Reported By	Count	Month	Location	Publication	Price Effect (\$/MMBtu)	El Paso Position		El Paso Gain / Loss (\$s)	Mr. Brooks?	Mr. Phillips?	Mr. Walton?
						(Contract Equivalents)	[7]				
[1]	[2]	[3]	[4]	[5]	[6]			[8] = [-6]*[7]*10,000			
<b>Mr. Bakkenist's Reporting to Inside FERC (Count 17)</b>											
Chris Bakkenist	17	Jan-01	Chicago Citygate	IF	\$ (0.07)	0.0	\$ -	Y	N	N	
Chris Bakkenist	17	Jan-01	Southern Michigan Citygate	IF	\$ (0.03)	0.0	\$ -	Y	N	N	
Chris Bakkenist	17	Jan-01	Natural Gas Pipeline, Louisiana Zone	IF	\$ -	(703.3)	\$ -	Y	N	N	
Chris Bakkenist	17	Jan-01	Natural Gas Pipeline, Texok Zone	IF	\$ (0.05)	58.4	\$ 29,205	Y	N	N	
Chris Bakkenist	17	Jan-01	Panhadle, Texas, Oklahoma (Mainline)	IF	\$ (0.01)	(85.4)	\$ (8,538)	Y	N	N	
Chris Bakkenist	17	Jan-01	ANR Oklahoma	IF	\$ (0.01)	422.4	\$ 42,240	Y	N	N	
Chris Bakkenist	17	Jan-01	Natural Gas Pipeline, Mid-Continent Zone	IF	\$ -	(228.1)	\$ -	Y	N	N	
Chris Bakkenist	17	Jan-01	Northern Natural Gas, Ventura, Iowa	IF	\$ (0.05)	466.3	\$ 233,135	Y	N	N	
Chris Bakkenist	17	Jan-01	Northern Natural Gas, Demarcation	IF	\$ (0.04)	139.3	\$ 55,720	Y	N	N	
<b>Mr. Patrick Phillips's Reporting to Inside FERC (Count 19)</b>											
James Patrick Phillips	19	Feb-01	Houston Ship Channel	IF	\$ 0.02	(781.1)	\$ 156,212	Y	Y	Y	
James Patrick Phillips	19	Feb-01	Waha	IF	\$ 0.05	(539.6)	\$ 269,775	Y	Y	Y	
<b>Mr. Patrick Phillips's Reporting to Inside FERC (Count 20)</b>											
James Patrick Phillips	20	Mar-01	Houston Ship Channel	IF	\$ 0.01	(1211.1)	\$ 121,112	Y	Y	Y	
James Patrick Phillips	20	Mar-01	Waha	IF	\$ 0.03	2.3	\$ (702)	Y	Y	Y	
<b>Mr. Patrick Phillips's Reporting to Inside FERC (Count 21)</b>											
James Patrick Phillips	21	Oct-01	Houston Ship Channel	IF	\$ (0.02)	1297.6	\$ 259,510	Y	Y	Y	
James Patrick Phillips	21	Oct-01	Katy	IF	\$ (0.01)	1142.0	\$ 114,203	Y	Y	Y	
James Patrick Phillips	21	Oct-01	EPGT Texas Pipeline, Texas	IF	\$ --	(890.9)	--	Y	Y	Y	
James Patrick Phillips	21	Oct-01	Waha	IF	\$ (0.01)	(106.4)	\$ (10,640)	Y	Y	Y	
<b>Ms. O'Toole's Reporting to Inside FERC (Count 22)</b>											
Sharon O'Toole	22	Feb-02	ANR Louisiana	IF	\$ (0.01)	317.9	\$ 31,791	Y	N	N	
Sharon O'Toole	22	Feb-02	ANR Oklahoma	IF	\$ -	300.8	\$ -	Y	N	Y	
Sharon O'Toole	22	Feb-02	Chicago Citygate	IF	\$ -	0.0	\$ -	Y	N	N	
Sharon O'Toole	22	Feb-02	Southern Michigan Citygate	IF	\$ (0.01)	0.0	\$ -	Y	N	N	
Sharon O'Toole	22	Feb-02	Natural Gas Pipeline, Louisiana Zone	IF	\$ 0.01	(766.0)	\$ 76,602	Y	N	Y	
Sharon O'Toole	22	Feb-02	Natural Gas Pipeline, Mid-Continent Zone	IF	\$ -	125.8	\$ -	Y	N	N	
Sharon O'Toole	22	Feb-02	Natural Gas Pipeline, Texok Zone	IF	\$ -	1013.8	\$ -	Y	N	Y	
Sharon O'Toole	22	Feb-02	Oneok Gas Transportation, Oklahoma	IF	\$ -	(57.3)	\$ -	Y	N	N	
Sharon O'Toole	22	Feb-02	Panhadle, Texas, Oklahoma (Mainline)	IF	\$ -	(1669.8)	\$ -	Y	N	N	
Sharon O'Toole	22	Feb-02	Trunkline, Louisiana	IF	\$ -	(339.6)	\$ -	Y	N	N	
<b>Mr. Patrick Phillips's Reporting to Inside FERC (Count 23)</b>											
James Patrick Phillips	23	Mar-02	EPGT Texas Pipeline, Texas	IF	\$ -	134.0	\$ -	Y	Y	Y	
James Patrick Phillips	23	Mar-02	Houston Ship Channel	IF	\$ -	304.8	\$ -	Y	Y	Y	
<b>Mr. Patrick Phillips's Reporting to Inside FERC (Count 24)</b>											
James Patrick Phillips	24	Apr-02	EPGT Texas Pipeline, Texas	IF	\$ (0.01)	733.5	\$ 73,351	Y	Y	Y	
James Patrick Phillips	24	Apr-02	Houston Ship Channel	IF	\$ (0.01)	(1530.0)	\$ -	Y	Y	Y	
James Patrick Phillips	24	Apr-02	Katy	IF	\$ (0.01)	805.1	\$ 80,513	Y	Y	Y	
James Patrick Phillips	24	Apr-02	Natural Gas Pipeline, South Texas Zone	IF	\$ -	(1429.5)	\$ -	Y	Y	Y	
James Patrick Phillips	24	Apr-02	Trunkline, Texas	IF	\$ -	193.9	\$ -	Y	Y	Y	
James Patrick Phillips	24	Apr-02	Waha	IF	\$ (0.01)	748.8	\$ 74,881	Y	Y	Y	
<b>Mr. Patrick Phillips's Reporting to Inside FERC (Count 25)</b>											
James Patrick Phillips	25	May-02	EPGT Texas Pipeline, Texas	IF	\$ (0.05)	(491.0)	\$ (245,485)	Y	Y	Y	

## El Paso's Gains (Losses) from Defendants' False Reporting to Inside FERC

Reported By	Count	Month	Location	Publication	El Paso Position		El Paso Gain / Loss (\$s)	Mr. Brooks?	Mr. Phillips?	Mr. Walton?		
					Price Effect (\$/MMBtu)	(Contract Equivalents)						
					[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8] = [6]*[7]*10,000
Mr. Dean's Reporting to Inside FERC												
Dallas Dean	Jul-00	Columbia Gulf Louisiana		IF	\$	-	458.4	\$	-	Y	N	Y
Dallas Dean	Jul-00	Henry Hub		IF	\$	-	(1266.6)	\$	-	Y	N	Y
Dallas Dean	Jul-00	Tennessee, La. & Offshore (Zone 1)		IF	\$	-	37.1	\$	-	Y	N	Y
Mr. Dean's Reporting to Inside FERC												
Dallas Dean	Jul-00	Texas Eastern Transmission, East Louisiana Zone		IF	\$	(0.01)	654.0	\$	65,400	Y	N	Y
Dallas Dean	Jul-00	Transcontinental, Zone 3 (pooling points)		IF	\$	(0.01)	(1094.0)	\$	(109,400)	Y	N	Y
Mr. Dean's Reporting to Inside FERC												
Dallas Dean	Sep-00	Columbia Gulf Louisiana		IF	\$	-	1320.4	\$	-	Y	N	Y
Dallas Dean	Sep-00	Henry Hub		IF	\$	-	(2141.0)	\$	-	Y	N	Y
Dallas Dean	Sep-00	Tennessee, La. & Offshore (Zone 1)		IF	\$	-	2659.3	\$	-	Y	N	Y
Mr. Dean's Reporting to Inside FERC												
Dallas Dean	Sep-00	Texas Eastern Transmission, East Louisiana Zone		IF	\$	(0.01)	121.9	\$	12,190	Y	N	Y
Dallas Dean	Sep-00	Transcontinental, Zone 3 (pooling points)		IF	\$	-	(2252.4)	\$	-	Y	N	Y
Mr. Dean's Reporting to Inside FERC												
Dallas Dean	Sep-00	Tennessee, Texas (Zone 0)		IF	\$	-	(848.5)	\$	-	Y	N	Y
Dallas Dean	Sep-00	Texas Eastern Transmission, South Texas Zone		IF	\$	-	125.9	\$	-	Y	N	Y
Mr. Dean's Reporting to Inside FERC												
Dallas Dean	Mar-01	Columbia Gulf Louisiana		IF	\$	-	(921.9)	\$	-	Y	N	Y
Mr. Dean's Reporting to Inside FERC												
Dallas Dean	Mar-01	Henry Hub		IF	\$	0.01	(2622.1)	\$	262,212	Y	N	Y
Dallas Dean	Mar-01	Southern Natural Gas, Louisiana		IF	\$	-	(1081.8)	\$	-	Y	N	Y
Dallas Dean	Mar-01	Texas Eastern Transmission, East Louisiana Zone		IF	\$	-	(720.3)	\$	-	Y	N	Y
Mr. Dean's Reporting to Inside FERC												
Dallas Dean	Jul-01	Columbia Gulf Louisiana		IF	\$	0.01	2157.0	\$	(215,701)	Y	N	Y
Dallas Dean	Jul-01	Henry Hub		IF	\$	-	1283.1	\$	-	Y	N	Y
Dallas Dean	Jul-01	Tennessee, La. & Offshore (Zone 1)		IF	\$	0.01	(328.2)	\$	32,821	Y	N	Y
Dallas Dean	Jul-01	Texas Eastern Transmission, West Louisiana Zone		IF	\$	0.01	155.8	\$	(15,578)	Y	N	Y
Mr. Patrick Phillip's Reporting to Inside FERC												
James Patrick Phillips	Jul-00	Houston Ship Channel		IF	\$	-	920.3	\$	-	Y	Y	Y
James Patrick Phillips	Jul-00	Katy		IF	\$	-	436.0	\$	-	Y	Y	Y
James Patrick Phillips	Jul-00	Waha		IF	\$	-	(1790.7)	\$	-	Y	Y	Y
Mr. Patrick Phillip's Reporting to Inside FERC												
James Patrick Phillips	Aug-00	Houston Ship Channel		IF	\$	(0.01)	2095.0	\$	209,500	Y	Y	Y
James Patrick Phillips	Aug-00	Katy		IF	\$	(0.01)	256.0	\$	25,600	Y	Y	Y
James Patrick Phillips	Aug-00	Waha		IF	\$	-	(2996.3)	\$	-	Y	Y	Y
Mr. Patrick Phillip's Reporting to Inside FERC												
James Patrick Phillips	Sep-00	Houston Ship Channel		IF	\$	(0.01)	3060.3	\$	306,030	Y	Y	Y
James Patrick Phillips	Sep-00	Katy		IF	\$	0.03	311.3	\$	(93,390)	Y	Y	Y
James Patrick Phillips	Sep-00	Waha		IF	\$	0.01	(1963.2)	\$	196,320	Y	Y	Y
Mr. Patrick Phillips's Reporting to Inside FERC												
James Patrick Phillips	Apr-01	Houston Ship Channel		IF	\$	-	362.3	\$	-	Y	Y	Y
James Patrick Phillips	Apr-01	Katy		IF	\$	(0.01)	53.2	\$	5,323	Y	Y	Y

## El Paso's Gains (Losses) from Defendants' False Reporting to Inside FERC

	Reported By	Count	Month	Location	Publication	Price Effect (\$/MMBtu)	El Paso Position		El Paso Gain / Loss (\$s)	Mr. Brooks?	Mr. Phillips?	Mr. Walton?
							(Contract Equivalents)	[7]				
	[1]	[2]	[3]	[4]	[5]	[6]			[8] = -[6]*[7]*10,000			
Mr. Patrick Phillips's Reporting to Inside FERC	James Patrick Phillips	May-01	Houston Ship Channel		IF	\$ 0.01	(3740.5)	\$ 374,054	Y	Y	Y	
	James Patrick Phillips	May-01	Katy		IF	\$ 0.04	733.6	\$ (293,420)	Y	Y	Y	
	James Patrick Phillips	May-01	Waha		IF	\$ 0.01	179.4	\$ (17,938)	Y	Y	Y	
Mr. Patrick Phillips's Reporting to Inside FERC	James Patrick Phillips	Jun-01	Houston Ship Channel		IF	\$ -	(1452.1)	\$ -	Y	Y	Y	
	James Patrick Phillips	Jun-01	Katy		IF	\$ -	870.1	\$ -	Y	Y	Y	
	James Patrick Phillips	Jun-01	EPGT Texas Pipeline, Texas		IF	\$ 0.02	(1567.1)	\$ 313,424	Y	Y	Y	
Mr. Kennedy's Reporting to Inside FERC	Steve Kennedy	Jul-01	Houston Ship Channel		IF	\$ 0.01	44.9	\$ (4,485)	Y	Y	Y	
	Steve Kennedy	Jul-01	Katy		IF	\$ 0.06	1068.4	\$ (641,034)	Y	Y	Y	
	Steve Kennedy	Jul-01	EPGT Texas Pipeline, Texas		IF	\$ 0.05	18.3	\$ (9,150)	Y	Y	Y	
Mr. Kennedy's Reporting to Inside FERC	Steve Kennedy	Aug-01	Houston Ship Channel		IF	\$ -	274.4	\$ -	Y	Y	Y	
	Steve Kennedy	Aug-01	Katy		IF	\$ (0.01)	1086.2	\$ 108,620	Y	Y	Y	
	Steve Kennedy	Aug-01	EPGT Texas Pipeline, Texas		IF	\$ -	(1025.8)	\$ -	Y	Y	Y	
	Steve Kennedy	Aug-01	Waha		IF	\$ -	135.0	\$ -	Y	Y	Y	
Mr. Kennedy's Reporting to Inside FERC	Steve Kennedy	Sep-01	Houston Ship Channel		IF	\$ 0.01	(1796.6)	\$ 179,655	Y	Y	Y	
	Steve Kennedy	Sep-01	Katy		IF	\$ 0.04	960.3	\$ (384,116)	Y	Y	Y	
	Steve Kennedy	Sep-01	EPGT Texas Pipeline, Texas		IF	\$ 0.12	(1129.0)	\$ 1,354,764	Y	Y	Y	
	Steve Kennedy	Sep-01	Waha		IF	\$ 0.02	(222.4)	\$ 44,480	Y	Y	Y	
Total IF Losses (w/o Mr. Singleton's Reports)	Mr. Brooks							\$ 5,477,636				
Total IF Losses (w/o Mr. Singleton's Reports)	Mr. Phillips							\$ 3,020,997				
Total IF Losses (w/o Mr. Singleton's Reports)	Mr. Walton							\$ 3,151,024				
Mr. Singleton's Reporting to Inside FERC	Greg Singleton	Aug-00	El Paso Natural Gas Co, Permian Basin		IF	\$ 0.01	(794.7)	\$ 79,470	Y	N	N	
	Greg Singleton	Aug-00	El Paso Natural Gas Co, San Juan Basin		IF	\$ -	761.6	\$ -	Y	N	N	
	Greg Singleton	Aug-00	Southern California Gas Co.		IF	\$ 0.07	0.0	\$ -	Y	N	N	
Ms. Reitze's Reporting to Inside FERC	Alison Reitze	Sep-00	El Paso Natural Gas Co, Permian Basin		IF	\$ -	(947.7)	\$ -	Y	N	N	
	Alison Reitze	Sep-00	El Paso Natural Gas Co, San Juan Basin		IF	\$ (0.01)	1037.5	\$ 103,750	Y	N	N	
	Alison Reitze	Sep-00	Southern California Gas Co.		IF	\$ 0.18	0.0	\$ -	Y	N	N	
Total IF Losses	Mr. Brooks							\$ 5,660,856				
Total IF Losses	Mr. Phillips							\$ 3,020,997				
Total IF Losses	Mr. Walton							\$ 3,151,024				

## Notes:

[1] Price effect shows the change in Inside FERC's volume-weighted average from removing Defendants' false reports. Thus, a \$0.01 price effect means the Defendants' false reports lowered the Inside FERC volume weighted average by \$0.01.

[2] A positive El Paso Contract position means that El Paso gained from a higher index price. A negative El Paso contract position means that El Paso incurred losses from a higher index price.

[3] For positive El Paso contract positions, El Paso gained if the price effect shown in column [6] is negative (if the Defendants' false reports raised the volume-weighted average) and incurred losses if the price effect shown in column [6] is positive (if the Defendants' false reports lowered the volume-weighted average).

[4] Months and locations where the price effect from Defendants' false reporting was less than \$0.01 are not shown in the table.

[5] All trades submitted in October 2001 for EPGT Texas Pipeline are by El Paso (Count 21). Thus, we do not calculate a price effect.

## El Paso's Gains (Losses) from Defendants' False Reporting to NGI

	Reported By	Count	Month	Location	Publication	Price Effect (\$/MMBtu)	El Paso Position		El Paso Gain / Loss (\$s)	Mr. Brooks?	Mr. Phillips?	Mr. Walton?
							[6]	[7]				
Ms. Reitze's Reporting to NGI (Count 7)	Alison Reitze	7	Dec-00	Southern Cal. Border Avg.	NGI	\$ 0.01	(1272.9)	\$	127,288	Y	N	N
	Alison Reitze	7	Dec-00	El Paso non-Bondad	NGI	\$ 0.01	0.0	\$	-	Y	N	N
	Alison Reitze	7	Dec-00	El Paso Permian	NGI	\$ 0.02	0.0	\$	-	Y	N	N
	Alison Reitze	7	Dec-00	PG&E Citygate	NGI	\$ -	0.0	\$	-	Y	N	N
Mr. Bakkenist's Reporting to NGI (Count 12)	Chris Bakkenist	12	Dec-00	Chicago Citygate	NGI	\$ 0.02	(3238.7)	\$	647,742	Y	N	N
	Chris Bakkenist	12	Dec-00	Michigan Consolidated	NGI	\$ (0.02)	3352.7	\$	670,530	Y	N	N
	Chris Bakkenist	12	Dec-00	Consumers Power	NGI	\$ -	46.4	\$	-	Y	N	N
	Chris Bakkenist	12	Dec-00	ANR SW	NGI	\$ (0.01)	0.0	\$	-	Y	N	N
	Chris Bakkenist	12	Dec-00	Panhandle Eastern	NGI	\$ -	0.0	\$	-	Y	N	N
	Chris Bakkenist	12	Dec-00	NGPL Midcontinent	NGI	\$ -	0.0	\$	-	Y	N	N
	Chris Bakkenist	12	Dec-00	OGT	NGI	\$ -	0.0	\$	-	Y	N	N
	Chris Bakkenist	12	Dec-00	Reliant East (NorAm)	NGI	\$ (0.01)	0.0	\$	-	Y	N	N
	Chris Bakkenist	12	Dec-00	NGPL TexOk	NGI	\$ -	0.0	\$	-	Y	N	N
	Chris Bakkenist	12	Dec-00	NGPL LA	NGI	\$ (0.01)	0.0	\$	-	Y	N	N
Mr. Bakkenist's Reporting to NGI (Count 18)	Chris Bakkenist	18	Jan-01	Chicago Citygate	NGI	\$ (0.03)	551.2	\$	165,348	Y	N	N
	Chris Bakkenist	18	Jan-01	Michigan Consolidated	NGI	\$ -	94.0	\$	-	Y	N	N
	Chris Bakkenist	18	Jan-01	Consumers Power	NGI	\$ (0.01)	80.5	\$	8,047	Y	N	N
	Chris Bakkenist	18	Jan-01	NGPL LA	NGI	\$ 0.02	0.0	\$	-	Y	N	N
	Chris Bakkenist	18	Jan-01	NGPL TexOk	NGI	\$ (0.07)	0.0	\$	-	Y	N	N
	Chris Bakkenist	18	Jan-01	Panhandle Eastern	NGI	\$ (0.01)	0.0	\$	-	Y	N	N
	Chris Bakkenist	18	Jan-01	ANR SW	NGI	\$ -	0.0	\$	-	Y	N	N
	Chris Bakkenist	18	Jan-01	NGPL Midcontinent	NGI	\$ -	0.0	\$	-	Y	N	N
	Chris Bakkenist	18	Jan-01	Northern Natural Ventura	NGI	\$ (0.07)	0.0	\$	-	Y	N	N
	Chris Bakkenist	18	Jan-01	Northern Natural Demarc	NGI	\$ (0.05)	0.0	\$	-	Y	N	N
Total NGI Losses (w/o Mr. Singleton's Reports)				Mr. Brooks					\$ 1,618,955			
Total NGI Losses (w/o Mr. Singleton's Reports)				Mr. Phillips					\$ -			
Total NGI Losses (w/o Mr. Singleton's Reports)				Mr. Walton					\$ -			
Mr. Singleton's Reporting to NGI	Greg Singleton		Aug-00	El Paso Permian	NGI	\$ 0.02	0.0	\$	-	Y	N	N
	Greg Singleton		Aug-00	El Paso non-Bondad	NGI	\$ -	0.0	\$	-	Y	N	N
	Greg Singleton		Aug-00	Southern Cal. Border Avg.	NGI	\$ 0.09	(1070.3)	\$	963,270	Y	N	N
Ms. Reitze's Reporting to NGI	Alison Reitze		Sep-00	El Paso Permian	NGI	\$ -	0.0	\$	-	Y	N	N
	Alison Reitze		Sep-00	El Paso non-Bondad	NGI	\$ (0.01)	0.0	\$	-	Y	N	N
	Alison Reitze		Sep-00	Southern Cal. Border Avg.	NGI	\$ 0.33	(1062.2)	\$	3,505,260	Y	N	N
Total NGI Losses				Mr. Brooks					\$ 6,087,485			
Total NGI Losses				Mr. Phillips					\$ -			
Total NGI Losses				Mr. Walton					\$ -			

## Notes:

[1] Price effect shows the change in NGI's volume-weighted average from removing Defendants' false reports. Thus, a \$0.01 price effect means the Defendants' false reports lowered the NGI volume weighted average by \$0.01.

[2] A positive El Paso Contract position means that El Paso gained from a higher index price. A negative El Paso contract position means that El Paso incurred losses from a higher index price.

[3] For positive El Paso contract positions, El Paso gained if the price effect shown in column [6] is negative (if the Defendants' false reports raised the volume-weighted average) and incurred losses if the price effect shown in column [6] is positive (if the Defendants' false reports lowered the volume-weighted average).

[4] Months and locations where the price effect from Defendants' false reporting was less than \$0.01 are not shown in the table.

## EXHIBIT C

**El Paso Basis Summary Position Data Employed  
in the Phillips, Brooks, Walton Summary<sup>#</sup>**

<b>Close of Business</b>		<b>First Month</b>	<b>First Bates Number</b>	<b>Last Bates Number</b>
[1]		[2]	[3]	[4]
12/30/1999	[a]	1/1/2000	G0015285	G0015295
1/31/2000	[b]	2/1/2000	G0015296	G0015306
2/29/2000	[c]	3/1/2000	G0015307	G0015316
3/31/2000	[d]	4/1/2000	G0015317	G0015327
4/28/2000	[e]	5/1/2000	G0015328	G0015338
5/31/2000	[f]	6/1/2000	G0015339	G0015349
6/30/2000	[g]	7/1/2000	G0015350	G0015360
7/31/2000	[h]	8/1/2000	G0015361	G0015371
8/31/2000	[i]	9/1/2000	G0015372	G0015382
9/29/2000	[j]	10/1/2000	G0015383	G0015393
10/31/2000	[k]	11/1/2000	G0018182	G0018204
11/30/2000	[l]	12/1/2000	G0018205	G0018227
12/29/2000	[m]	1/1/2001	G0018228	G0018251
1/31/2001	[n]	2/1/2001	G0018253	G0018276
2/28/2001	[o]	3/1/2001	G0018277	G0018300
3/30/2001	[p]	4/1/2001	G0018301	G0018324
4/30/2001	[q]	5/1/2001	G0018325	G0018348
5/31/2001	[r]	6/1/2001	G0018349	G0018373
6/29/2001	[s]	7/1/2001	G0018374	G0018398
7/31/2001	[t]	8/1/2001	G0018399	G0018423
8/31/2001	[u]	9/1/2001	G0018424	G0018449
9/28/2001	[v]	10/1/2001	G0018450	G0018475
10/31/2001	[w]	11/1/2001	G0018476	G0018499
11/30/2001	[x]	12/1/2001	G0018500	G0018524
12/28/2001	[y]	1/1/2002	G0018525	G0018549
1/31/2002	[z]	2/1/2002	G0018551	G0018576
2/28/2002	[aa]	3/1/2002	G0018577	G0018602
3/28/2002	[ab]	4/1/2002	G0018603	G0018628
4/30/2002	[ac]	5/1/2002	G0018629	G0018654

Sources:

El Paso's Energy Marketing Basis Summaries.

<sup>#</sup> Data corresponds to summary tables prepared on 6/5/2009 (expanded versions of same tables provided on 7/24/2009).

CERTIFICATE OF SERVICE

This is to certify that on the 13<sup>th</sup> day of November, 2009, a true and correct copy of the GOVERNMENT'S OBJECTION AND RESPONSE TO DEFENSE OBJECTIONS was sent by facsimile, electronic mail or U.S. Mail to the following person(s):

David Adler, Esq. 6750 West Loop South Suite 120 Bellaire, TX 77401 davidadler1@hotmail.com	(713) 666-7576 Attorney for defendant Phillips
Wendell A. Odom, Jr. 440 Louisiana, Suite 800 Houston, TX 77002 wendellodom@aol.com	(713) 223-5575 (713) 224-2815 Attorney for defendant Brooks
David Gerger, Esq. 700 Louisiana, Suite 4200 Houston, 77002 david@gergerlaw.com	(713) 224-4400 (713) 224-5153 Attorney for defendant Walton

//John Lewis//  
JOHN R. LEWIS  
Assistant United States Attorney